Special Issue

Stem Cell, Differentiation, Regeneration and Diseases

Message from the Guest Editors

Stem cells have the remarkable potential to develop into various cell types, offering hope for treating and even curing many devastating diseases. Differentiation, the process by which stem cells become specialized cells, is a critical step in harnessing the potential of stem cells for therapeutic purposes. Illustrating the mechanisms and factors that regulate stem cell differentiation will help to better control and direct this process. Tissue regeneration is a rapidly growing field that aims to replace or repair damaged tissues and organs, using the potential of stem cells to regenerate various tissues, such as the heart, liver, kidneys, and nervous system. Stem cell research also help us to understand and treat human diseases. This includes studies on the role of stem cells in the development and progression of diseases, such as cancer, diabetes, and neurodegenerative disorders, as well as investigations into the potential of stem cell-based therapies for treating these conditions. This Special Issue aims to assemble the original articles and reviews on stem-cell-related research. We look forward to your contributions.

Guest Editors

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Deadline for manuscript submissions

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About the Journal

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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