Special Issue

Growth Factors and Stem Cells in Development, Homeostasis, Disease and Repair after Injury

Message from the Guest Editors

Fibroblast growth factors (FGFs) are a family of growth factors, which possess multifunctional proteins with a wide variety of effects, including cellular proliferation, survival, migration, and differentiation. At the cellular level, the secretion of FGFs plays a dual role in modulating fundamental cellular processes such as metabolism, proliferation, survival, migration, and differentiation of stem cells. On another hand, stem-cell-based tissue engineering has become more and more appealing to solve clinical challenges, including COVID-19. At the molecular level, cell-specific responses are triggered and the scaffold integration with the surrounding is enhanced. An in-depth understanding of the mechanisms FGFs strategies use to affect stem cells and tissue regeneration will accelerate the tissue remodeling/regeneration progression and minimize the graft□versus□host reactions (immune and fibrotic responses). Both original research articles and reviews will be considered.

Guest Editors

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Deadline for manuscript submissions

closed (30 September 2021)

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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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