Special Issue

Cell Biological Techniques and Cell-Biomaterial Interactions

Message from the Guest Editor

There is great interest in developing new cellular engineering techniques to modify cells and monitor cells, and also there is an unmet need to design new functional, biomimetic materials to effectively regulate cell behavior for robust tissue regeneration. As biological substitutes, biomaterials play an important role in regenerative medicine applications. Recently, 3D biomaterials have been studied to model cancer tissues. It is well known that cells recognize and interact with biomaterials in different forms at different levels. Therefore, it is imperative to fully understand the interactions between cells and biomaterials in space and time.

The Special Issue focuses on aspects of cell-biomaterials research, including cellular engineering techniques, cell-biomaterial interactions, and the development of new functional biomaterials for tissue regeneration and tumor models. We cordially invite contributions of reviews or original research papers reporting recent efforts in these aspects.

Biomaterials
Cell-biomaterial interaction
Cellular engineering
Stem cell fate
Regenerative medicine
Drug delivery
Biomaterial-based tumor model

Guest Editor

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Deadline for manuscript submissions

closed (15 September 2019)

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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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manuscripts are peer-reviewed and a first decision is provided to authors approximately 16 days after submission; acceptance to publication is undertaken in 2.7 days (median values for papers published in this journal in the first half of 2025).