

Special Issue

Organoids and Models from Stem Cells

Message from the Guest Editors

The role of the cellular microenvironment and tissue architecture was first described by Dr. Mina Bissel and demonstrated a direct correlation between tridimensional organization and function preservation. These newly created tridimensional cultures more accurately reflect what normally happens within the tissues of the living organisms, preserving the original cell-cell and cell-ECM interactions, ensuring cell proliferation, boosting differentiation, and maintaining cell morphology and behavior, alongside optimal access to nutrients. These features greatly empower their predictive capability and may significantly reduce the need for experimental animal testing in drug screening, organ development, and disease mechanism studies.

In this Special Issue, we will collect reports, reviews, and protocols related to the generation of well-characterized, reproducible, highly predictive 3D in vitro platforms, to encourage and stimulate the scientific community to design and produce models for the laboratory that mimic cell guidance conditions.

Guest Editors

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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).