

Special Issue

Modelling Tissue Microenvironments in Development and Disease

Message from the Guest Editors

This Special Issue, titled “Modelling Tissue Microenvironments in Development and Disease”, aims to showcase advancements in the field. We invite contributions that employ a range of innovative approaches, including three-dimensional (3D) cell culture systems such as self-organising organoids, spheroids, and bioprinted tissues, as well as in silico models.

Key areas of interest include the following:

- The development of novel cell cultures and in silico models that closely mimic healthy and pathological tissue conditions.
- Studies of the roles of different components of the tissue microenvironment, such as the extracellular matrix (ECM), signalling molecules, and physical properties (e.g., mechanical cues), in tissue development and disease progression.
- Application of understanding the tissue microenvironment for drug discovery, toxicology, and regenerative medicine.

We look forward to receiving your contributions.

Guest Editors

Prof. Dr. Jeremy M. Crook

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Deadline for manuscript submissions

closed (10 June 2025)



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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).