



cells



an Open Access Journal by MDPI

Modelling Tissue Microenvironments in Development and Disease

Guest Editors:

Prof. Dr. Jeremy M. Crook

Dr. Eva Tomaskovic-Crook

Dr. Maryam Alsadat Rad

Dr. Panthipa Suwannakot

Deadline for manuscript
submissions:

30 November 2024

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.



mdpi.com/si/206942

Special Issue



cells



an Open Access Journal by MDPI

Editors-in-Chief

Prof. Dr. Alexander E. Kalyuzhny

Neuroscience, UMN Twin Cities,
6-145 Jackson Hall, 321 Church St
SE, Minneapolis, MN 55455, USA

Prof. Dr. Cord Brakebusch

Biotech Research & Innovation
Centre, The University of
Copenhagen, Copenhagen,
Denmark

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.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [MEDLINE](#), [PMC](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Cell Biology*) / CiteScore - Q1 (General Biochemistry, Genetics and Molecular Biology)

Contact Us

Cells Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/cells
cells@mdpi.com
[X@Cells_MDPI](#)