# Special Issue

# Microfluidics and Miniaturized Systems Aiding Studies Involving Cells and Animal Models

**Message from the Guest Editor**

We invite experts working on the development of microscale devices and microfluidic miniaturized systems for screening tests, selection assays, cultivation, cell characterization, and pharmacokinetics studies to participate in this Special Issue of Cells. Original research articles, reviews, or short perspective articles related to microfluidics and microfluidic miniaturized systems assisting research involving biological cells, model organism, and animals are welcome.

**Keywords**

- Monitoring of neurological changes in animal studies
- Cellular differentiation in model organisms
- Disease models on a chip
- Cell cultivation and co-cultivation on a chip
- Pharmacokinetic analysis and drug discovery
- Microfluidics for artificial blood vessels design
- Monitoring cells stress in microfluidics
- Fluidic systems for real time cell isolation and enumeration
- Isolation of rare cells
- Cell migration in diseases

**Guest Editor**

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**Deadline for manuscript submissions**

closed (15 November 2021)

**Cells**

**an Open Access Journal by MDPI**

**Impact Factor 5.2**
**CiteScore 10.5**
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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.

## Editors-in-Chief

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Prof. Dr. Cord Brakebusch
Biotech Research & Innovation Centre, The University of Copenhagen, Copenhagen, Denmark

## Author Benefits

**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)

**Rapid Publication:**

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).