

Special Issue

Frontiers in Cytoskeleton Research—from Development to Disease 2022

Message from the Guest Editor

The dynamic cellular cytoskeleton provides shape, rigidity, and motility to all eukaryotic cells. Regulation of the structure, organization, and dynamics of the cytoskeleton underlies a variety of processes. In this Special Issue, we invite contributions, in the form of either original research articles or reviews, on aspects related to the theme “*Frontiers in Cytoskeleton Research—From Development to Disease*”. The topics of interest include, but are not limited to, the following

- Structural and functional aspects of cytoskeletal components—actin, tubulin, microtubules, microfilaments, and intermediate filaments;
- Cytoskeleton and cellular compartmentation—formation of specialized cellular domains, such as cilia and axonal segment fence;
- The role of the cytoskeleton in cell division and cell migration;
- The role of the cytoskeleton in embryonic and postnatal development;
- Cytoskeletal changes in cellular transformation and cancer;
- Cytoskeletal changes in cell and tissue regeneration;
- Cytoskeletal changes in intracellular viral and bacterial invasions.

Guest Editor

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Deadline for manuscript submissions

closed (20 August 2022)



Cells

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 10.5
Indexed in PubMed



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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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Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.5 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).