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Frontiers in Cytoskeleton Research—from Development to Disease 2022

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Deadline for manuscript
submissions:

closed (20 August 2022)

Message from the Guest Editor

Dear Colleagues,

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.



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Special Issue



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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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