Special Issue

The Role of Cilia in Health and Diseases—2nd Edition

Message from the Guest Editor

Cilia, hair-like tiny organelles present on almost every cell type in the human body, have different important functions in maintaining the health and organization of the human body. Diseases resulting from aberrant ciliary function and/or motility caused by genetic mutations in ciliary genes are known as ciliopathies. Primary Ciliary Dyskinesia (PCD) is a motile ciliopathy comprising defects in the respiratory, reproductive, central nervous, and embryonic nodal systems. Due to the broad spectrum of anomalies in multiple organ systems, PCD and other motile ciliopathies must be thoroughly investigated. The identification of motile ciliopathy-associated genes is also of great importance in developing future gene therapies.

This Special Issue will discuss the role of motile cilia in human health and its pathophysiological conditions. We encourage you to contribute to this Special Issue of Cells by submitting a research article or a review dedicated to motile cilia and their role in human health and diseases. Articles on therapeutics involving cilial function are also encouraged.

Guest Editor

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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).