Special Issue

Cellular and Molecular Mechanisms of Cystic Fibrosis: The Past, the Present and the Future

Message from the Guest Editor

Dear colleagues, The autosomal recessive disease cystic fibrosis (CF) was once untreatable and deadly in childhood, but now most patients survive to adulthood. CF research has greatly intensified following the discovery of the CF transmembrane conductance regulator (*CFTR*) gene, which has more than 2000 different mutations. Since the *CFTR* gene was cloned in 1989, there has been great motivation to develop strategies, such as gene therapy and drug discovery, for restoring the defective protein. This Special Issue offers an Open Access forum that aims to bring together original research and review articles addressing cellular and molecular mechanisms at the basis of the pathophysiology of CF and to suggest potential and promising therapeutic approaches to cure CF. We hope to provide a stimulating resource for this fascinating subject. For further reading, please visit the Special Issue website.

Guest Editor

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Deadline for manuscript submissions

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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).