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Cystic Fibrosis: Cells, Physiopathology and Emerging Therapies

Collection Editors:

Prof. Dr. Teresinha Leal

Prof. Dr. Tristan Montier

Dr. Martial Delion

Dr. Angélique Mottais

Message from the Collection Editors

Dear Colleagues,

Even though CFTR has long been described as a chloride channel expressed at the apical membrane of epithelial cells, more recent studies have convincingly shown that in addition to airway epithelial cells, the protein is expressed in cells involved in inflammatory responses (neutrophils, macrophages, different subsets of lymphocytes, etc.), fibroblasts, pancreatic islet cells, bone cells, and many others. Therefore, it remains essential to improve our understanding of CF pathophysiology in each impacted cell type to develop new therapeutic strategies.

This present Topical Collection aims at shedding light on cell types and subtypes impacted by the presence of CFTR mutations; the value of cell-based models to study CF physiopathology and to quantify efficacy of emerging therapies; and how novel CF therapeutic strategies rescue CFTR-dependent cell processes.

We look forward to your contributions.

Prof. Dr. Teresinha Leal
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Dr. Martial Delion
Dr. Angélique Mottais
Collection Editors

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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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