



Clinical Advances in Cystic Fibrosis

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Message from the Guest Editor

Cystic fibrosis (CF) is a genetic disease, where a mutation of a protein called cystic fibrosis transmembrane conductance regulator leads to an alteration of ion transport across the cellular membrane, and the to the production of thick, sticky mucus that clogs the airways and traps microorganisms. The main problem associated with CF disease is represented by recurrent infections due to multi-resistant bacteria, including *Pseudomonas aeruginosa*. Recently, the WHO included *P. aeruginosa* in the ESKAPE pathogens, multi-resistant bacteria capable of 'escaping' the biocidal action of antibiotics and mutually representing new paradigms in pathogenesis, transmission and resistance.

This Special Issue aims to publish contributions from distinguished authors who actively experience innovations in the field of CF and want to provide more solid scientific evidence. All researchers are invited to contribute original works and reviews.

Keywords

- cystic fibrosis
- lung disease
- respiratory diseases
- infection diseases
- multi-drug resistant bacteria
- innovative anti-virulence strategies





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