Special Issue

Cystic Fibrosis: Genetics, Pathophysiology and Novel Therapeutic Approaches

Message from the Guest Editors

Cystic fibrosis (CF) is a life-threatening autosomal recessive disorder due to mutations in the CF Transmembrane Conductance Regulator (*CFTR*) gene that cause morbidity and mortality mainly by inducing lung disease. This Special Issue is devoted to appraising the most recent developments in CF research and its clinical facets, focusing on the fields of genetics, theranostics, immunology, infections, inflammation, and novel therapeutic approaches. In the coronavirus 2019 (COVID-19) era, the natural history of CF pathophysiology is changing, thereby this Special Issue will be insightful in discussing how the present pandemic infection could determine other clinical features in CF patients. Finally, basic and applied research have sought and identified etiological treatments for CF, highlighted by the clinical use of modulators (potentiators, correctors) of the mutated CFTR protein. Novel genetic and stem cell-based treatments as potential therapeutic approaches to cure CF are at the forefront of CF research and will be also covered in this Special Issue.

Guest Editors

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Over the last decade, the amount of information pertaining to thoracic structures has been unprecedented. The thorax is unique in terms of the different structures that involve the respiratory system—lungs, pleura, upper and lower respiratory tract—all located in the mediastinum that by itself represents a different compartment with its own wealth of conditions, and that also includes the Thymic gland. Therefore, we believe that the availability of a new open access journal, *JoR*, dedicated to highlighting and disseminating information related to the respiratory system is not only timely but is also absolutely necessary. As we can see, the information related to the respiratory systems is vast and there could not be anything more and better than to have a journal that is dedicated to the promotion, dissemination, and efficient publication of timely articles on the respiratory system including all its structures.

Editor-in-Chief

Prof. Dr. Cesar A. Moran
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