

Special Issue

Pathology, Diagnosis, and Treatments of Airway Diseases

Message from the Guest Editors

Airway diseases encompass a heterogeneous group of disorders, including asthma, chronic obstructive pulmonary disease (COPD), cystic fibrosis, and respiratory infections, which are considered among the leading causes of morbidity and mortality worldwide. The diagnosis and management of airway diseases represent a significant challenge for clinicians due to the incomplete understanding of their pathogenesis and the variability in patients' response to first-line therapies. In recent decades, cutting-edge technologies have deepened our knowledge of the pathophysiological and molecular mechanisms underlying these conditions, paving the way for novel targeted approaches. Unravelling the genetic roots, molecular pathways, and environmental factors guiding airway disease development and prognosis is crucial to improving patient outcomes. This Special Issue aims to provide an up-to-date, comprehensive overview of the pathogenesis of airway diseases, while exploring emerging diagnostic and therapeutic approaches that may shape the future of respiratory healthcare.

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