



Molecular Research on Airway Diseases

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Deadline for manuscript
submissions:

closed (1 December 2023)

Message from the Guest Editor

In this Special Issue entitled “Molecular Research on Airway Diseases”, we would like to focus on asthma, COPD and interstitial lung disease. The results of cell and molecular biology have provided a lot of hints for identifying molecules playing a pivotal role in a disease, and their involvement could be confirmed functionally by employing appropriate animal models and in the real world in humans by revealing their existence in the human specimens obtained from individuals suffering from a corresponding airway disease. The identification of the molecules involved could bring about a new therapeutic strategy or preventive approach as can be seen in the field of asthma in which various biological agents target identified molecules. Their efficacy could provide the real position of the target for the biological agent in the pathogenesis of the disease condition and could allow us to observe close relationships between molecules and clinical phenotypes. Moreover, the identified molecules could be good biomarkers for diagnosing a disease or assessing the condition of a disease as well as analyzing endotypes of airway diseases by means of the cluster analysis.





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