



The Role of the Respiratory Tract Microbiome in Respiratory Infections

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Message from the Guest Editor

Acute lower respiratory infections, such as pneumonia or chronic bronchitis, are a leading cause of illness and mortality worldwide. These infections that are principally caused by bacteria, fungi, or viruses remain a persistent public health problem. However, until recently, the respiratory tract microbiome's performance in respiratory conditions has been underestimated and little studied. The investigation of the respiratory tract microbiome is gaining attention since recent studies have pointed towards a beneficial role of microbial inhabitants in stimulating the immune system and protecting against pathogen infection. Moreover, dysbiosis in the airway-associated microbial communities seems to favor colonization by opportunistic and antibiotic-resistant microorganisms that can be part of the microbiota or acquired from the environment.

This Special Issue focuses on the emerging research area of the respiratory tract microbiome and its connection with airway infections and dysbiosis. Articles expanding the knowledge on any aspect related to the respiratory tract microbiome in infectious diseases are welcome.





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Message from the Editor-in-Chief

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