

Special Issue

Molecular Study of Bacterial Pneumonia and Pathogens

Message from the Guest Editor

Pneumonia and other lower respiratory tract infections (LRTIs) have been estimated to affect 489 million people worldwide, as revealed by the 2019 Global Burden of Disease study. It is important to note that as a clinical entity, pneumonia can be classified as community-acquired pneumonia or hospital-acquired pneumonia, each also differing regarding its etiology and pathology. Additionally, a diverse range of microorganisms can be the causative agents of pneumonia, including bacteria, viruses and fungi. This Special Issue will focus on bacterial pneumonia, encompassing either of its clinical forms with a focus on molecular aspects characterizing the disease presentation, transmission and epidemiology. The fact that a diverse set of bacterial species can act as causative agents of this disease, with varying geographical distributions and distinct resistance patterns and mechanisms, prompts the implementation of research on molecular mechanisms underlying the disease presentation, pathogen transmission and acquisition of resistance. The main objective of this Special Issue is to publish high-quality research on these topics, and either original or review articles are welcomed.

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

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