

Special Issue

Pneumococcal Pneumonia: Epidemiology, Pathophysiology, Treatment and Vaccines

Message from the Guest Editor

Despite antibiotics, community-acquired pneumonia remains a leading cause of death in the elderly, low-income countries, and infants. Streptococcus pneumoniae is the leading cause of bacterial community-acquired pneumonia involving frequently mixed bacterial viral infections. Research on effective pneumococcal vaccines has been going on for decades and is challenged by the high degree of diversity in, and the poor immunogenicity of, pneumococcal polysaccharide capsules and the genetic flexibility of the organism. This Special Issue will focus on the mechanism of action and coverage of different pneumococcal vaccination strategies and the dynamic adaptation of pneumococcal species to vaccine-associated selective pressure. It will also cover a selection of novel treatment approaches to pneumococcal pneumonia.

Guest Editor

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Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

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