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The Pathogenesis of Bacterial Lung Infections

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Deadline for manuscript submissions:

closed (30 April 2023)

Message from the Guest Editor

Bacterial lung infections continue to be a major cause of morbidity and mortality worldwide. The lungs are under constant pressure to protect the body from invading bacteria. Pneumonia and sepsis are major threats to human life, especially as their treatment has become more difficult with emerging drug resistance. In order to survive within the lung, bacteria target the host immune system to prevent eradication. Many bacteria directly target inflammatory cells and cytokines to impair inflammatory responses. However, bacteria can also take advantage of and attenuate inflammatory immune responses in the host lung to inhibit bacterial elimination. It is critical we define mechanisms of resistance and establish an improved understanding of the host factors that can be modulated to develop novel therapeutic approaches to infections.

For this Special Issue of Pathogens, we invite the submission of original research articles, case reports, short communications, and review articles focused on “Bacterial Lung Infections” with the goal of enhancing our understanding of lung infection pathogenesis.



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Message from the Editor-in-Chief

The worldwide impact of infectious disease is incalculable. The consequences for human health in terms of morbidity and mortality are obvious and vast but, when infections of animals and plants are also taken into account, it is hard to imagine any other disease that has such a significant impact on our lives—on healthcare systems, on agriculture and on world economics. *Pathogens* is proud to continue to serve the international community by publishing high quality studies that further our understanding of infection and have meaningful consequences for disease intervention.

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