

## Special Issue

# Impact of Bacterial and Viral Pathogens on Sepsis Prevalence and Outcome

### Message from the Guest Editor

Sepsis is a life-threatening acute condition that is one of the most common causes of mortality in industrialized countries. In 2016, sepsis has been redefined as an acute organ dysfunction generated by a dysregulated immune response to a pathogen. With this so-called Sepsis-3 definition, the focus of sepsis research has shifted to the hosts' immune response. While this worked well in rodents, the human immune system seems to be too complex for accurate modulation thus far. At the same time, it is clear that sepsis is very heterogenous and a range of different subgroups and grouping systems for sepsis have been described. The impact of the pathogen on sepsis subgroups is an intriguing but under-studied topic. In addition, there are pathogens affecting patients that are different from the main infection focus. Severe COVID-19 patients frequently suffer from bacterial superinfections and polymicrobial sepsis patients might face a viral re-activation of latent infections. This Special Issue therefore aims to study the impact of viral or bacterial pathogens on sepsis survival, subgrouping, prevalence and other outcomes.

### Guest Editor

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### Deadline for manuscript submissions

closed (29 February 2024)



## Pathogens

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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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### Editor-in-Chief

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