



Cutting-Edge Approaches in Pathogen Study

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Message from the Guest Editors

The ongoing global pandemic of the COVID-19 emphasizes again the important and emerging challenge of our times to battle dreadful pathogen-caused diseases. Nowadays, while many medical advances have been made to safeguard against infection by pathogens, through the use of vaccination, antibiotics and fungicide, pathogens continue to threaten human life. There is an urgent public health need for development of novel prophylactic and therapeutic strategies against these devastating diseases.

Research excellence in controlling pathogen-caused diseases requires use of up-to-date and standardized methodologies. Global sharing of novel technologies in the scientific community would make pathogen studies more time- and cost-effective. The aim of this Special Issue is to provide a comprehensive presentation of methodological and technological innovations in basic and clinical studies in the field of infectious diseases. The integration will allow precise characterization of pathogen-host interactions, invention of novel prophylactics and therapeutics, and advanced diagnostic methods of infectious diseases.





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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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