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Host Innate Immune Response to Influenza A Virus Infections

Guest Editor:

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Deadline for manuscript submissions:
closed (31 December 2022)

Message from the Guest Editor

Dear colleagues,

The influenza A virus is an RNA virus that can infect humans and a wide range of animal hosts, such as birds, pigs, dogs and horses. Influenza infection can cause mild to severe disease. The innate immune system forms the first line of defence that prevents, controls, or eliminates host infection. However, aberrant innate immune responses, such as "cytokine storm", can also contribute to the severity of virus infection. Moreover, the innate immune response might also affect the nature of the adaptive immune response. Therefore, research into the innate immune response to influenza A virus infection is not only vital to understanding the pathogenesis of influenza and to develop new intervention methods, but also critical to help facilitate vaccine development.

In this Special Issue of *Pathogens*, we invite you to contribute review or research articles about the avian or mammalian host innate immune response to different influenza A viruses.

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Editor-in-Chief

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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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