

Special Issue

Host-Pathogen Interaction in Respiratory Infections of the Neonate

Message from the Guest Editors

The respiratory tract consists of specialized microbial ecosystems that are seeded during and immediately after birth. Disrupted development of the respiratory microbiome early in life is associated with increased susceptibility to respiratory infections later in life. Viral infections early in life may increase the risk of respiratory infections in the first year of life. Lung infection remains the leading cause of infant and child death worldwide and is responsible for a significant morbidity burden. The exact mechanisms of children developing recurrent or severe respiratory tract infections while others remain healthy are still unclear. Therefore, research on this aspect is of great significance for protecting the respiratory health of newborns. In this Special Issue, we aim to bring together researchers from across the field of pediatric medicine to submit studies that address unique aspects of host-virus interactions at the maternal-fetal interface.

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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.

Editor-in-Chief

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