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Cell Death and Viral Pathogenesis

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Deadline for manuscript submissions:
closed (31 December 2024)

Message from the Guest Editors

Programmed cell death is a powerful means of host defense, eliminating virus-infected cells while orchestrating the inflammatory cytokine environment and inflammation that drive disease. Patterns of cell death also dictate the quality of adaptive antiviral immunity by influencing antigen presentation and the cytokine environment. We now understand that pathogen recognition receptor (PRR), death receptor (DR), and cytokine receptor (CR) signaling trigger alternate pathways of apoptosis and programmed necrosis (necroptosis), highlighting an ancient stand-off between viral suppressors and cell death pathways.

This Special Issue will explore all aspects of cell death pathways, including apoptosis, necroptosis, pyroptosis, autophagy, and ferroptosis during viral-infection-induced pathogenesis. We welcome updated reviews and research papers from our colleagues. We look forward to your contributions and to publishing your important work.

Please let me know if you need any further modifications or additional information.

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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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