

Special Issue

Antiviral Strategies and Vaccines Against Emerging RNA Viruses

Message from the Guest Editors

This Special Issue focuses on the discovery and development of medical countermeasures (MCMs) for emerging and re-emerging RNA viruses. Recent events have highlighted the multifaceted and global impacts of RNA viruses from the emergence of SARS-CoV-2, multiple filovirus (Ebola, Sudan, and Marburg viruses) outbreaks, the re-emergence of the Measles virus, Oropouche virus, New World Arenaviruses (Chapare and Sabia viruses), Avian Influenza virus, and Nipah virus, among others. The scope of this edition encompasses manuscripts focused on discovery using traditional methods such as multiomics studies for target discovery and validation, compound library screening, retargeting, vaccine development, including both antigen and platform optimization, and in silico discovery using artificial intelligence (AI) or machine learning (ML). Studies should include in vitro proof-of-concept (at a minimum) research to confirm the activity of identified MCMs.

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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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