



viruses



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Pathogenesis of Emerging Viral Infections

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Message from the Guest Editors

Dear Colleagues,

Emerging viruses pose a significant threat to global human and animal health, and outbreaks of these pathogens are increasing in frequency due to changing socio-economic, environmental, and ecological factors. In recent years, multiple zoonotic viruses, including Ebola virus, Middle East respiratory syndrome coronavirus, and Zika virus, have emerged or re-emerged as public health threats. In outbreak ‘hotspots’, limitations in resource capacity or control often hamper timely and effective medical and public health response efforts. Further, emerging viral infections often induce severe illness, with few or no available therapies to limit disease morbidity and mortality. Improved insight into the molecular processes that contribute to organ injury and repair is needed to guide optimal care and the development of efficacious therapies. To this end, better integration of basic and clinical research efforts is required to accelerate breakthrough translational research.



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