Special Issue

SARS-CoV-2 Research from an Interdisciplinary and Holistic View

Message from the Guest Editors

Reactive oxygen species (ROS) signaling is widely accepted as a relevant sensor for environment–organism communication. Abiotic and biotic environmental changes, including viral threats, induce ROS signaling that starts at the cell membrane of primary target cells and subsequently infiltrates into the cellular redox network. Immunometabolism research typically focuses on the interplay between energy metabolism and biochemical pathways in order to identify their influence on the functionality of innate and adaptive components of the classical immune system. However, whether resilience signaling begins earlier than suspected or microbiota play a possible role in this process remains unknown. This Special Issue aims to collect research aiding the understanding of early metabolic responses and their drivers in primary target cells upon viral attacks linked to resilience. **Special attention will be given to research related to SARS-CoV-2 variants.** We welcome high-quality human, animal and plant research strictly relevant to this topic from across all types of disciplines, including clinical observations advancing current knowledge with new approaches.

Guest Editors

Prof. Dr. José Hélio Costa

Dr. Carlos Noceda

Dr. Birgit Arnholdt-Schmitt

Deadline for manuscript submissions

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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

Prof. Dr. Hinh Ly
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