

Special Issue

Diagnosis and Detection of Respiratory Viruses and Bacteria

Message from the Guest Editors

The Special Issue will present the last updates/discoveries in respiratory pathogen diagnosis within the scope of the “Identification and characterization of pathogens”. Research areas may include, but are not limited to, comparisons of the sensitivity and specificity of pathogen detection between portable and non-portable diagnostic platforms, the validation of prospectively and retrospectively collected samples, and comparisons among different methods for the collection of biospecimens, as well as the validation of different non-invasively collected biospecimens, such as saliva and nasopharyngeal throat swabs, compared with blood, which is seen as the gold standard. Testing devices can be based on nucleic acid amplification detection using either RNA or DNA, nanotechnology, isothermal amplifications, the characterization of host responses to either bacterial or viral infection, biomarkers, microfluidics, next-generation sequencing platforms using either targeted or agnostic approaches with the capacity to discover potential emergent pathogens, and antigenic approaches. We look forward to receiving your contributions.

Guest Editors

Dr. Susana Asin

Center for Advanced Molecular Detection, 59th Medical Wing/Science & Technology, Joint Base San Antonio, Lackland, TX 78236, USA

Dr. Hakim Bouamar

Center for Advanced Molecular Detection, 59th Medical Wing/Science & Technology, Joint Base San Antonio, Lackland, TX 78236, USA

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Pathogens
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
pathogens@mdpi.com

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About the Journal

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

Department of Veterinary & Biomedical Sciences, University of Minnesota, Twin Cities, MN, USA

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