

Special Issue

Characterizing Infectious Diseases Using a 'Total Infectome' Approach

Message from the Guest Editor

With modern next-generation-sequencing-based metagenomic approaches, we are able to reveal all types of microbial “key players” simultaneously in the event of infection, which includes viral, bacterial, and eukaryotic pathogens, namely, the “total infectome” The aim of this Special Issue is to bring together a series of articles (both reviews and original research) that use the “total infectome” approach to characterize a variety of infectious diseases in humans, animals, as well as other organisms, with the purpose to better reveal the enormous diversity, complex interactions, potential clinical manifestations, and epidemiological impact of different types of pathogens. Potential topics include, but are not limited to:

- Pathogen discovery in diseased human, animals and other organisms;
- Role of diverse microbial pathogens in infectious diseases;
- Evolution and diversity of microbes;
- Interaction of microbial pathogens;
- Methodology in “total infectome” characterization;
- Future perspectives for pathogen discovery and characterization.

Guest Editor

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Deadline for manuscript submissions

closed (30 November 2023)



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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

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