

Special Issue

Genomic Studies Related to SARS-CoV-2 and Other Common Pathogens

Message from the Guest Editor

Functional genomics can be a preferable tool to study expression changes induced by viral infections, such as COVID-19, as the changes tend to be dynamic or multilevel, as well as irreducibly complex. The corollary of the complexity is that there is no simple reductionist explanation of how an animal cell reacts to a pathogen, either in the early or late stages of an infection. Rather, a genome of the infected cell can move as a whole to a new transcriptomic state. If this hypothesis is generally true, science can benefit from microarray profiling of gene expression patterns during infections. In the planned Special Issue of the *International Journal of Molecular Sciences*, I would like to invite the submission of further genomic studies of responses to common pathogens. Transcriptomic or statistical studies are of most interest (genomic studies are also of interest if they are correlated with host responses to an infection).

Guest Editor

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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