

Special Issue

Innovative Advances and Applications in Medical and Molecular Virology

Message from the Guest Editors

Molecular diagnostics play an important and ever-increasing role in clinical and medical virology, particularly the various strategies employed to detect, quantify and characterize viral nucleic acids. These molecular strategies include the polymerase chain reaction, droplet digital PCR, transcription-mediated amplification, loop-mediated isothermal amplification, and various sequencing technologies. Such assays have become standard detection methods in many diagnostic and research laboratories around the world. Another evolving aspect is the type of sample to which these assays are applied, i.e., not just standard clinical samples, but also single cells, ancient ice-cores, wastewater, air, and other environmental samples. For this Special Issue, we welcome papers on the development of innovative assays and/or applications to novel sample types or situations. Manuscripts on innovations in molecular virology are also welcome—including on viral genomics, metagenomics, interactomics, integrative omics, CRISPR-Cas strategies, organoid models, and novel antiviral strategies.

Guest Editors

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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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