

Special Issue

Recent Advances in Molecular Diagnostics and Molecular Genomics

Message from the Guest Editors

Molecular diagnosis can be defined as the detection of genomic variants using nucleic acids as the targets, and it can be widely used in the medical applications such as mutation detection of genetic disorders and virus detection of infectious diseases. In addition, molecular diagnosis can be applied in life science research, food industries such as GMO panels, and agricultural sciences. Genomics is recognized as interdisciplinary research focusing on the structure, function, and mapping of the entire set of genes inside an organism. Now in the post-genomic era, technological advances such as the invention of next generation sequencing (NGS) allows for the comprehensive analysis of an organism's entire genome, providing detailed information on varied genetic structures for diagnosis purposes. In this Special Issue of IJMS entitled *Frontiers in Molecular Diagnosis and Molecular Genomics*, we welcome high-quality publications not only focusing on research related to molecular tools and diagnosis but also to molecular genomics, including databases, bioinformatic analysis, and genomic variations.

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Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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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