

Special Issue

Applications of Nanopore Sequencing in Human Genomics

Message from the Guest Editor

Since the development of Sanger sequencing in 1977, sequencing technology has played a pivotal role in molecular biology research by enabling the interpretation of biological genetic codes. Today, nanopore sequencing is one of the leading third-generation sequencing technologies. With its long reads, portability, and low cost, nanopore sequencing is widely used in various scientific fields including epidemic prevention and control, disease diagnosis, and animal and plant breeding. These applications show that nanopore technology is promising in the field of biological and biomedical sensing. This Special Issue aims to debate the most recent advances in nanopore sequencing and technology. Contributions (research and review articles) will focus on applications using nanopore sequencing to cancer biology, pathogen (microbial and viral) detection, and genome assembly. Submissions on nanopore RNA sequencing and modification analysis (DNA and RNA) are welcome.

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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