

Special Issue

Research in Fusion Genes

Message from the Guest Editor

Fusion genes, formed by chromosomal rearrangements such as translocations, inversions or deletions, are major contributors to cancer and other diseases. These fusion genes enable the production of aberrant proteins that drive pathogenesis by altering cellular processes such as growth, differentiation and apoptosis. Recent advances in molecular biology, next-generation sequencing and bioinformatics have improved our understanding of the mechanisms leading to fusion gene formation, their role as diagnostic and prognostic biomarkers and their potential as therapeutic targets.

This Special Issue invites research and review articles focusing on various aspects of fusion genes. We welcome contributions that explore novel fusion genes, advance cutting-edge diagnostic tools or evaluate targeted therapies in both preclinical and clinical settings. By highlighting your latest findings, this Special Issue will provide a comprehensive understanding of fusion genes and their implications for precision medicine.

Guest Editor

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Deadline for manuscript submissions

closed (30 April 2025)



International Journal of Molecular Sciences

an Open Access Journal
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Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
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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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