

# 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.

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### Guest Editor

Dr. Juan Manuel Mejia-Arangure

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### Deadline for manuscript submissions

closed (30 April 2025)



## International Journal of Molecular Sciences

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### Message from the Editor-in-Chief

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