

## Special Issue

# CRISPR-Directed Gene Editing: Molecular Approaches to Cancer Therapeutics

### Message from the Guest Editors

With the evolution of CRISPR-directed gene editing for the treatment of human diseases, the field of genetic medicine now holds more promise than ever. While most applications of gene editing tools for cancer have been indirect, such as the remodeling of T cells, direct in vivo strategies are beginning to emerge. We request contributions that center on using editors that orchestrate direct genetic changes within the tumor genome. We invite submissions exploring CRISPR gene editing from fundamental mechanism-of-action studies to translational applications in cancer therapy. Topics of interest include molecular insights of CRISPR/Cas systems in cancer-based models; novel approaches for altering the tumor microenvironment or disrupting oncogenic pathways; strategies for improving safety, efficiency, or precision of CRISPR/Cas systems for cancer therapy; and diagnostic applications of CRISPR technologies as tools for detection or molecular profiling. We accept submissions that describe novel delivery mechanisms that advance our knowledge of tissue or tumor-specific targeting, delivering the gene editing payload to the cell type where it can have the most positive impact.

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### Guest Editors

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### Deadline for manuscript submissions

31 July 2026



## Biomolecules

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*Biomolecules* is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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