

Special Issue

Molecular Oncology: Deciphering the Molecular Landscape of Cancer Treatment

Message from the Guest Editors

Recent advances in molecular oncology have significantly extended prognosis through the development of targeted molecular therapies, diagnostic technologies, innovative gene therapy approaches, and the application of nucleic acid medicines. Despite these advances, the need for diverse therapeutic strategies remains critical for enhancing patient survival, given the complexities of achieving a complete cure with existing treatments. This Special Issue aims to deepen our understanding of cancer by exploring the multifaceted interactions at the molecular level. It will focus on the molecular mechanisms involved in the initiation, progression, and treatment of cancer, emphasizing the dynamics of gene expression and subcellular structural changes in cancer cells and their microenvironment. Contributions may include original research papers and review articles discussing how factors—such as fibroblasts influence cancer cell behaviors—proliferation, invasion, metastasis, and treatment response. Additionally, studies on cancer cell responses to therapeutic interventions, including gene therapy and nucleic acid medicines, and drug development are highly encouraged.

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Deadline for manuscript submissions

closed (25 October 2024)

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CiteScore 5.5
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Message from the Editor-in-Chief

Genes is central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fast-moving field. There is a need for good quality, open access journals in this area, and the *Genes* team aims to provide expert manuscript handling, serious peer review, and rapid publication across the whole discipline of genetics. Starting in 2010, the journal is now well established and recognised. Why not consider *Genes* for your next genetics paper?

Editor-in-Chief

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