

Special Issue

Recent Advances in the Molecular Genetics of Lung Cancer

Message from the Guest Editor

The upcoming Special Issue will review recent developments and future perspectives in the field of lung cancer genetics. The genetics of lung cancer is complex and includes alterations in oncogenes, tumor suppressor genes and other regulatory pathways. Chromosomal abnormalities, as well as epigenetic changes, also play an important role in lung cancer. Advances in the genetic understanding of lung cancer have revolutionized treatment strategies, particularly in immunotherapy for lung cancer driven by specific oncogenes, highlighting the need for comprehensive molecular profiling to fine-tune treatment choices. In this Special Issue, original research articles and review articles are welcome. Research areas may include (but are not limited to) the following: The genetic landscape of lung cancer: oncogenes, tumor suppressor genes, chromosomal abnormalities, and gene expression profiling; Epigenetic alterations: DNA methylation and histone modifications; Genetic predisposition to lung cancer; Genetic testing; Environmental and lifestyle factors leading to lung cancer; Targeted therapies; Tumor microenvironment.

Guest Editor

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Deadline for manuscript submissions

closed (15 October 2025)

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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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