

Special Issue

Molecular Mechanisms of Genitourinary Cancers

Message from the Guest Editor

Genitourinary tumors, including prostate, urothelial, renal, and testis tumors, occur in a large number of cancer patients worldwide. Over the decades, several treatments have enriched the therapeutic scenario of genitourinary cancers. Among these, there are immune checkpoint inhibitors, new-generation tyrosine-kinase inhibitors, antibody–drug conjugates, anti-FGFR drugs, and anti-androgen receptor inhibitors. Unfortunately, none of these treatments are curative and most patients tend to develop mechanisms of progression; for these reasons, understanding the molecular mechanisms of genitourinary cancers is crucial for the best management of these patients. This Special Issue aims to evaluate the molecular mechanisms of genitourinary cancers, highlighting the novel treatments of such cancers and the future directions in this field of research. It seeks to explore the mechanisms of action of the therapies that have been developed and investigate the pathways of resistance. In this Special Issue, we welcome reviews, mini-reviews, new methods, and original research articles that will advance our understanding of the molecular mechanisms of genitourinary cancers.

Guest Editor

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Deadline for manuscript submissions

closed (20 June 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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