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Liver Cancer: From Molecular Mechanism to Therapeutic Perspectives

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Message from the Guest Editors

Modern cancer medicine is shifting its perspectives from a "one drug fits all" standpoint to an individualized approach, centered on the analysis of the cellular mechanisms involved in cancer development, such as evaluating the tumor microenvironment, investigating the immune cell composition, or finding new biomarkers. These studies established new molecular targets for different drug therapies which improved overall survival in hepatocellular carcinoma or cholangiocarcinoma; however, liver cancer still remains one of the leading causes of cancer-related deaths worldwide. Undoubtedly, there is a need for a thorough understanding of the mechanisms leading to disease progression and treatment resistance, in order to decrease its global burden. This Special Issues aims to cover both preclinical and clinical studies regarding cellular signaling pathways, experimental models for liver cancer, molecular targets, diagnostic or prognostic biomarkers, and novel therapies. We are confident that our research efforts will provide novel insights into the marked heterogeneity of this type of cancer, while concurrently offer new solutions for precision treatment.



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Special Issue



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Message from the Editor-in-Chief

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