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Genomic Diagnosis of Human Cancer

Guest Editor:

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Message from the Guest Editor

Genomic diagnosis of human cancer represents a revolutionary approach to understanding the genetic underpinnings of cancer at a molecular level. It involves the comprehensive analysis of an individual's genetic information, specifically their DNA, to uncover the genetic mutation and alterations that may drive the development and progression of cancer. This diagnostic approach has significantly advanced our understanding of cancer, leading to more precise and personalized treatments, as well as the potential for early detection and prevention.

Key aspects of the genomic diagnosis of human cancer include genetic profiling, identification of driver mutation, personalized treatment strategies, prognostic insights, therapeutic resistance, early detection and prevention, research and drug development, and ethical and privacy considerations.

Overall, genomic diagnosis has revolutionized our approach to cancer by providing a deeper understanding of the molecular mechanisms that drive the disease. It has paved the way for more personalized and effective cancer treatment, giving hope to patient and researchers alike in the ongoing battle against cancer.

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Message from the Editor-in-Chief

Genes are central to our understanding of biology, and modern advances such as genomics and genome editing have maintained genetics as a vibrant, diverse and fastmoving 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.

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