

Special Issue

Advances in Molecular Genetics of Head and Neck Cancer

Message from the Guest Editor

Head and neck cancer (HNC) encompasses a biologically and clinically diverse group of malignancies affecting the oral cavity, pharynx, and larynx. Despite advances in surgical techniques, radiotherapy, and systemic treatments, survival outcomes—particularly for advanced-stage disease—remain suboptimal. A more detailed understanding of the molecular and genetic drivers of HNC is critical to developing more effective and personalized therapeutic strategies. This Special Issue focuses on recent advances in the molecular genetics of head and neck cancer. We invite original research articles and comprehensive reviews that explore the genetic and epigenetic alterations involved in HNC development and progression. Topics of interest include driver mutations, chromosomal instability, dysregulated signaling pathways, tumor suppressors, oncogenes, and non-coding RNAs. We also welcome studies that employ next-generation sequencing, transcriptomics, or other multi-omics approaches to characterize tumor heterogeneity, identify molecular subtypes, and discover novel biomarkers for diagnosis, prognosis, or treatment response.

Guest Editor

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