



Advances in Epigenetic Regulation in Cancer

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Message from the Guest Editor

Dear Colleagues,

In cancer, hypomethylation of the entire genome and hypermethylation of tumor suppressor genes are often found in various cancer types. Whole-genome DNA methylation profiling reveals signatures that can be used for predicting cancer survival or early detection. Recently several epigenetic drugs have been used in clinical studies. Therefore, investing the role of epigenetic regulation in cancer will help us better understand the molecular mechanisms under which environmental changes lead to tumorigenesis and progression. It has been found that the tumor tissue can be highly heterogeneous, plasticity and host a highly dynamic microenvironment. The research on epigenetic regulation will provide novel chemotherapy targets and screening methods for early detection and improved prognosis.

Dr. Yuyan Han
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