



Epigenomics in Prostate Cancer

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Message from the Guest Editor

Dear Colleagues,

Prostate cancer is one of the most common male malignancies in the world. It displays a high incidence to mortality ratio, meaning that the majority of men experience a relatively low-risk, latent form of the disease. However, a proportion of tumours have an aggressive nature and hence prostate cancer is the 5th leading cause of cancer-related deaths in men worldwide. The fact that prostate cancer displays an atypically low mutation rate, has undoubtedly contributed to our lack of clarity on hallmark molecular features of aggressive and indolent disease. By contrast, epigenetic alterations are frequent during prostate cancer initiation and progression and indeed the disease is known to undergo an epigenetic catastrophe during the earliest stages of tumour development, with widespread promoter hypermethylation and silencing of regulatory genes.

This special issue will highlight the central, yet complex, role that epigenomics plays in prostate cancer, from disease development through to castration resistance, and the utility that it offers in disease detection, stratification and prognostication.

Dr. Antoinette S. Perry
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Message from the Editor-in-Chief

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