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Human Papillomavirus (HPV) and Carcinogenesis

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Message from the Guest Editor

Dear Colleagues,

The human papillomavirus (HPV) family comprises more than 170 different types that preferentially infect the mucosa of the genitals, upper-respiratory tract, or skin. HPV infections are responsible for approximately 5% of all cancers and are associated with 30% of all pathogen-related cancers.

Long-term infection, the integration of the viral DNA into the human genome, and the constitutive expression of HPV oncoproteins cause the accumulation of various molecular changes in the infected cells leading to cancer development and progression. However, there is still a gap in the knowledge on how different HPV genotypes lead to cancer and how HPV-related pathways lead to carcinogenesis. Elucidating these aspects may help in developing new targets for treating HPV-associated cancer.

This Special Issue will highlight the mechanism of HPV's involvement in cancer development. We welcome submissions that cover any relevant topics of research results that will help to advance our understanding of HPV carcinogenesis and in developing new targets for the prevention and therapy of HPV-associated cancers.

Prof. Dr. Giorgio Mangino
Guest Editor



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