



Viruses in Cancer Etiology

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Message from the Guest Editors

Dear Colleagues,

Around 10 to 20% of human cancers are caused by oncogenic viruses. At least seven viruses—Epstein–Barr virus, human papillomavirus, human T-cell lymphotropic virus, hepatitis B and C viruses, Kaposi's sarcoma herpesvirus, and Merkel cell polyomavirus—have well-established roles in cancer progression.

Other viruses, usually not viewed as oncogenic, have been connected to human malignancies. Almost half of human cancers have somatic retrotranspositions of long interspersed nuclear elements (Line1)—a repetitive element resembling retroviruses—and Line1-driven retrotransposition is a documented source of complex structural genomic aberrations and mutations in esophageal, head and neck, lung, and other tumors.

The infectious nature of oncogenic viruses differentiates them from other common causes of cancer and creates opportunities for exclusive anti-cancer treatments and cancer prevention.

In this Special Issue, we welcome basic, translational, and clinical research papers and comprehensive reviews, in the field of virus-associated cancer.

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Message from the Editor-in-Chief

Cancers (ISSN 2072-6694) is an international, online journal addressing both clinical and basic science issues related to cancer research. The journal will continue its open access format, which will certainly evolve to ensure that the journal takes full advantage of the rapidly changing world of information and knowledge dissemination. It publishes high-quality clinical, translational, and basic science research on cancer prevention, initiation, progression, and treatment, as well as other related topics, particularly to capture the most seminal studies in the rapidly growing area of immunology, immunotherapy, and tumor microenvironment.

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