

Special Issue

Viruses and Cancers

Message from the Guest Editor

It is estimated that at least 10 % of worldwide cancers may be attributable to viral infection with a strong impact on survival and quality of life. Oncogenic viruses include various classes of DNA and RNA viruses. The viruses associated with the greatest number of cancer cases are the human papillomaviruses (HPVs), which cause cervical cancer and several other epithelial malignancies, and Hepatitis B virus (HBV) and hepatitis C virus (HCV), which are responsible for the majority of hepatocellular cancer. Other oncoviruses include Epstein–Barr virus (EBV), human T-cell leukemia virus (HTLV-I), Kaposi's sarcoma-associated herpes virus (KSHV), and Merkel cell polyomavirus (MCV). In this Special Issue, we welcome submissions of research and review articles on the molecular mechanisms that contribute to virus-induced carcinogenesis, including papers on the role of oncoviral proteins in cell transformation, the gene mutational profile of viral and host genomes, expression levels of miRNAs, gene methylation, immune responses, and new therapeutic opportunities (including cancer vaccines for viruses-related cancers).

Guest Editor

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