



## Viruses in Cancer Etiology

Guest Editors:

**Dr. Natalia Issaeva**

Department of  
Otolaryngology/Head and Neck  
Surgery, University of North  
Carolina at Chapel Hill, Chapel  
Hill, NC, USA

**Prof. Dr. Wendell G. Yarbrough**

1. Department of  
Otolaryngology/Head and Neck  
Surgery, The University of North  
Carolina, Chapel Hill, NC 27599-  
7070, USA  
2. Department of Pathology and  
Lab Medicine, The University of  
North Carolina, Chapel Hill, NC  
27599, USA  
3. Lineberger Comprehensive  
Cancer Center, The University of  
North Carolina, Chapel Hill, NC  
27599, USA

Deadline for manuscript  
submissions:

**31 May 2024**



[mdpi.com/si/145755](https://mdpi.com/si/145755)

### 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.

Dr. Natalia Issaeva  
Prof. Dr. Wendell G. Yarbrough  
*Guest Editors*



# cancers



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Samuel C. Mok**

Department of Gynecologic  
Oncology and Reproductive  
Medicine, The University of Texas  
MD Anderson Cancer Center,  
Houston, TX 77030, USA

## Message from the Editor-in-Chief

*Cancers* is an international online journal addressing both clinical and basic science issues related to cancer research. The journal is publishing in 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (*Oncology*) / CiteScore - Q1 (*Oncology*)

## Contact Us

*Cancers* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/cancers](http://mdpi.com/journal/cancers)  
[cancers@mdpi.com](mailto:cancers@mdpi.com)  
X@Cancers\_MDPI