



## Oncogenesis of Lymphoma

Guest Editors:

**Dr. Annunziata Gloghini**

Department of Diagnostic  
Innovation, Fondazione IRCCS  
Istituto Nazionale dei Tumori, Via  
Venezian 1, 20133 Milan, Italy

**Prof. Dr. Giancarlo Pruneri**

Department of Diagnostic  
Innovation, Fondazione IRCCS  
Istituto Nazionale dei Tumori,  
Milan, Italy

Deadline for manuscript  
submissions:

**30 November 2024**

### Message from the Guest Editors

Dear Colleagues,

Advances in the fields of molecular genetics, immunology and virology have clarified the mechanisms involved in lymphomagenesis. Human lymphomas have been found to be heterogeneous, not only pathologically but also in terms of pathogenetic pathways, cellular derivation and the tumor microenvironment. Traditionally, some types of lymphomas are consistently correlated with genetic abnormalities involving *BCL2* and *BCL1*, respectively. It is well known that the molecular pathway in Burkitt lymphoma involves activation of *MYC*, inactivation of *p53* and infection by EBV. Furthermore, in diffuse large B-cell lymphomas (DLBCL), molecular studies have shown rearrangements in *BCL2*, *BCL6* and *MYC* genes. A new concept, viral cooperation, has been revealed in lymphomagenesis by molecular virologic studies on primary effusion lymphomas (PELs). In immune-deficient/dysregulated patients, PEL tumor cells, in addition to consistent infection by KSHV/HHV8, are also commonly infected by EBV. Finally, recent insights from genetics, epigenetics and knowledge in the cellular microenvironment have led to the refinement of diagnostic definition and, hopefully, appropriate therapy.





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 - Q1 (Oncology) / CiteScore - Q1 (Oncology)

## Contact Us

---

Cancers Editorial Office  
MDPI, Grosspeteranlage 5  
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](https://twitter.com/Cancers_MDPI)