



*cancers*



an Open Access Journal by MDPI

## Stem Cells in Leukemia: From Biological Properties to Therapeutic Targeting

Guest Editor:

**Dr. Alice Giustacchini**

Molecular and Cellular  
Immunology Section, UCL Great  
Ormond Street Institute of Child  
Health, Zayed Centre for  
Research into Rare Disease in  
Children, London WC1N 1DZ, UK

Deadline for manuscript  
submissions:

**closed (29 May 2023)**

### Message from the Guest Editor

Dear Colleagues,

Understanding heterogeneity in cancer is becoming crucial for the development of effective therapeutic strategies. The proposed hierarchical structure of some tumors is one aspect of cancer heterogeneity, with “cancer stem-cells” (CSCs) being able to propagate the tumor and playing a role in tumor persistence and the development of therapy-resistance. Hematological malignancies have necessitated pioneering studies of CSCs, with leukemia stem cells (LSCs) being associated with unique intrinsic and extrinsic biological properties, making them selectively unresponsive to conventional therapies. This Special Issue will focus on the characterization of biological mechanisms responsible for therapy escape in LSCs and will touch upon novel therapeutic strategies accounting for the role of CSCs.

Dr. Alice Giustacchini

*Guest Editor*



[mdpi.com/si/52729](https://mdpi.com/si/52729)

# Special Issue



# 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, CAPus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (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