

## Special Issue

# Challenges and Opportunities for Novel Therapeutic Strategies in Pediatric Oncology

### Message from the Guest Editors

The last decade has seen a revolution in our understanding of the molecular and genetic basis of pediatric cancers. Molecular and genetic characterization is being integrated into cancer diagnosis, revealing subgroups of pediatric cancers with both prognostic and therapeutic relevance. This enables risk-adoptive therapy, focusing intensive therapy on the most aggressive cancers while refining the treatment for low-risk diseases, resulting in a significant reduction in serious long-term complications. Cancer immunotherapy changed the prognosis of high-risk malignancies. How to define which tumors are more likely to respond to immunotherapy and how to activate the immune system via either cell-based or antibody-based strategies remain major challenges. This Special Issue will highlight the advances in our understanding of pediatric malignancies and in the development of treatments including small-molecular-targeted therapies, BsAb, CART, transplant, radioisotope, drug conjugates, radiotherapy, and photoimmunotherapy and address current challenges and future prospects for more personalized therapy for pediatric cancer.

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### Guest Editors

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### Deadline for manuscript submissions

closed (28 February 2026)



## Cancers

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## About the Journal

### 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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### Editor-in-Chief

Prof. Dr. Samuel C. Mok

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