

## Special Issue

# Applications of Single-Cell Genomics in Cancer Research

### Message from the Guest Editor

This Special Issue is dedicated to exploring the groundbreaking applications of single-cell genomics in cancer research. Single-cell genomics has revolutionized our ability to dissect the complex and heterogeneous nature of cancer at an unprecedented resolution. Traditional bulk sequencing methods obscure the diversity of cellular states, whereas single-cell approaches reveal the intricate mosaic of cancer cell populations and their interactions with surrounding stromal and immune cells. Complementing these insights, spatial transcriptomics further enhances our understanding by preserving the spatial context of gene expression within tissue sections, thereby elucidating the spatial organization and interactions of different cell types within the tumor microenvironment. Through these studies, we will highlight the potential of single-cell and spatial genomics, combined with AI-driven bioinformatics, to identify novel biomarkers and therapeutic targets, paving the way to personalized and more effective cancer treatments. For this Special Issue, submissions of original research articles and reviews are welcome.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 July 2025)



## Cancers

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## About the Journal

### 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.

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### Editor-in-Chief

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