

Special Issue

Aptamers Against Cancer

Message from the Guest Editors

Tumorigenesis stems from dysregulated cellular pathways. While current strategies to target it rely on monoclonal antibodies and small molecule inhibitors, their high cost and complex production hinder accessibility. Aptamers, with their high specificity, ease of production, and structural flexibility, emerge as powerful next-generation tools for the fight against cancer. For diagnostics, aptamers function as sensitive in vitro biosensors and as carriers for in vivo imaging contrast, guiding personalized therapy. We invite contributions on aptamer applications, including but not limited to the following:

- Tumor-specific aptamers
- Diagnostics and Biosensing
- Tumor Imaging and Visualization
- Therapeutic Aptamers
- Delivery Platforms
- Computational Design
- Translational Studies

We seek to compile cutting-edge research that demonstrates how aptamer technology is overcoming existing limitations to improve cancer diagnosis, imaging, and therapy.

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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.

Editor-in-Chief

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