

State-of-the-Art Strategies for Non-coding RNA Function Detection and Regulation in Cancer

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Deadline for manuscript submissions:

20 August 2024

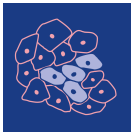
Message from the Guest Editors

One fundamental conceptualization in the post-genomic era is the observation that 90% of the human genome is transcriptionally active, yet less than 2% of its sequence encodes for proteins. Extensive research has revealed numerous examples of functional non-coding transcripts, broadly categorized as short or long non-coding RNAs based on transcript length, highlighting the complexity of RNA-mediated regulation in maintaining physiological homeostasis or inducing its pathological manifestation.

Since their discovery, non-coding RNAs have been associated with cancer initiation, progression or inhibition. Their functional complexity, combined with their cancer-specific regulation and detection in the body fluids of patients, highlight them as sensitive and non-invasive diagnostic, prognostic and therapeutic biomarkers.

This Special Issue will emphasize the role of non-coding RNAs along with their associated predisposing regulatory mutations, focusing on novel strategies designed to unveil their molecular function and utilization as non-invasive biomarkers for ribodiagnostic, prognostic and therapeutic application against human tumors.





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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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