

Special Issue

Non-Coding RNAs as Key Players in Cancer Biology and Clinical Translation

Message from the Guest Editors

Non-coding RNAs (ncRNAs) have emerged as central regulators of cancer biology, acting as oncogenes or tumor suppressors by modulating gene expression at multiple regulatory levels. By influencing key cellular processes such as proliferation, apoptosis, metastasis, immune evasion, and therapeutic response, ncRNAs play critical roles in tumor initiation and progression. Their stability and specificity in tissues and biological fluids further position ncRNAs as promising non-invasive biomarkers for cancer diagnosis, prognosis, and disease monitoring. In parallel, ncRNAs are increasingly explored as therapeutic targets, with innovative strategies aimed at inhibiting oncogenic ncRNAs or restoring tumor-suppressive functions using antisense oligonucleotides, RNA mimics, and other RNA-based approaches. We are pleased to invite you to contribute to the Special Issue titled, “**Non-Coding RNAs as Key Players in Cancer Biology and Clinical Translation**”. This Special Issue aims to highlight recent molecular, translational, and technological advances that improve our understanding of non-coding RNA (ncRNA) biology in cancer and support their integration into precision oncology.

Guest Editors

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