

Special Issue

Roles and Mechanisms of Non-Coding RNAs in Cancer

Message from the Guest Editors

The human genome transcribes tens of thousands of RNA molecules, most of which do not encode proteins that are collectively called non-coding RNAs (ncRNAs). Based on their primary function, we can divide ncRNAs into two groups: constitutive ncRNAs and regulatory ncRNAs. Increasing evidence suggests that regulatory ncRNAs are involved in both pro-oncogene and tumor suppressive functions. Additionally, their deregulation affects various aspects of cancer, including proliferation, apoptosis, invasion, metastasis, and genomic instability. We welcome the submission of original papers and review articles that address recent studies on characterizing the roles and mechanisms of three specific classes of regulatory ncRNAs: PIWI-interacting RNAs (piRNAs), long ncRNAs (lncRNAs), and circular RNAs (circRNAs). Authors should emphasize the clinical applicability and translational potential of their findings.

Guest Editors

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