

Special Issue

Non-coding RNA (ncRNA) in Cancer

Message from the Guest Editors

Over the last three decades, researchers have discovered multiple types of RNA, including non-coding RNAs (ncRNAs) that are in general not involved in the production of proteins. ncRNAs include small nucleolar RNAs (snoRNAs), small nuclear RNAs (snRNAs), guide RNAs (gRNAs), RNaseP RNAs, transfer RNAs (tRNAs), ribosome RNAs (rRNAs), transfer messenger RNAs (tmRNAs), microRNAs (miRNAs), long non-coding RNAs (lncRNAs), piwi interaction RNAs (piRNAs), circular RNAs (circRNAs), and Y RNA (YRNA).

Novel RNA sequencing technologies and bioinformatics approaches have revealed not only novel types of ncRNAs but also elucidated the role of many ncRNAs in carcinogenesis. Usually, different ncRNAs interact with each other and form a highly complex regulatory network that controls important cellular programs. Disturbances to these programs lead to widespread changes in the fate of cells and contribute to development of cancer.

In this Special Issue, we will cover recent advances in any of the roles of ncRNA in cancer, such as function, mechanism of action, mode of interaction, as well as clinical studies. We welcome contributions in the form of original research articles and reviews.

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