

Special Issue

Non-coding RNAs and Epigenetic Alterations in Metal-Induced Carcinogenesis

Message from the Guest Editors

Metals such as hexavalent chromium (Cr(VI)), arsenic, cadmium, and nickel are environmental carcinogens and long-term exposure to these metals is associated with the development of various types of cancer. Non-coding RNAs and epigenetic alterations have recently been demonstrated to be important in metal-induced malignant transformation, angiogenesis, and cancer development. Non-coding RNAs (ncRNAs)—especially micro-RNAs (miRNAs) and long non-coding RNAs (lncRNAs)—have been intensively investigated regarding their roles in cancer development and drug resistance. ncRNAs play important roles in metal-induced carcinogenesis and angiogenesis. This Special Issue will focus on new research findings in elucidating roles and mechanisms of ncRNAs in regulating carcinogenesis. Epigenetic regulations such as DNA methylation, RNA methylation, and histone modifications are other networks mediating carcinogenesis and cancer development. A better understanding of the complex networks of ncRNAs and epigenetic regulations would provide the opportunity to identify new biomarkers and to design new options to prevent metal-induced carcinogenesis in the future.

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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.

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