

Special Issue

Non-coding RNAs' Functionality-Diagnosis and Therapy in Cancer and Other Indications

Message from the Guest Editor

Only a small fraction of transcribed RNAs are translated to proteins and involved in the central dogma. The overwhelming majority of transcribed RNA is not translated at all to protein, and it is termed non-coding RNA. However, this does not mean that transcribed non-coding RNAs is not without an important cellular function. Abundant research has indicated multiple functions for the non-coding RNA that include epigenetic effects on other coding mRNAs and regulating multiple cellular functions, including the regulation of protein expression and localization, cell proliferation, cancer, cell apoptotic death, the cell cycle, cell migration and invasiveness, epithelial-mesenchymal transition (EMT), cancer stem cells, and drug resistance in cancer. In this Special Issue, we will focus on the vital functional roles of the main expressed types of non-coding RNAs in cancer as well as the state of the art to monitor their aberrational expression in cancer diagnosis and therapeutic potential.

Guest Editor

Prof. Dr. Mohamed Raafat El-Gewely

Department of Medical Biology, Faculty of Health Sciences, UiT Arctic University of Norway, Tromsø, Norway

Deadline for manuscript submissions

closed (20 January 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



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*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences, Sez-Biochimica, Faculty of Medicine, Università Politecnica delle Marche, Via Ranieri 65, 60100 Ancona, Italy

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