Special Issue

Non-Coding RNAs in Cancer Biology and Treatment

Message from the Guest Editor

Although more than 90% of the human genome is actively transcribed into the RNA, up to 70% of it has no protein-coding potential. Actually, genes that encode proteins can only account for less than 2% of the human genome. Dependent on their sizes in length, using 200 nucleotides as a cut-off value, these noncoding RNAs (ncRNAs) can be classified into small ncRNAs and long ncRNAs (lncRNAs). MicroRNAs (miRNAs) belong to the major class of small ncRNAs. miRNAs can post-transcriptionally regulate target gene expression through mediating mRNA degradation or translational repression. By contrast, lncRNAs can regulate not only gene expression but also protein functions. Dysregulation of ncRNAs is frequently found in cancers, which reveals new targets for intervention. A deeper understanding for the interaction of ncRNA networks in cancers will facilitate the discovery of novel prognostic biomarkers and therapeutic targets. This Special Issue will focus on new insights into the role of ncRNAs (especially, but not limited to, miRNAs and lncRNAs) in cancers and their diagnoses and treatments. We welcome original research articles and review articles in this field.

Guest Editor

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Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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