

Special Issue

Small RNA Signatures in Neurological Disorders: Insights from Developmental Biology and Neuroscience

Message from the Guest Editor

Small RNAs are a type of non-coding RNA (ncRNA) molecule that are ~200 nucleotides in length. They are involved in regulating the translation of target RNAs through epigenetic modification, RNA–RNA interaction, the RNA interference, etc. These include microRNAs (miRNAs), transfer RNA-derived RNAs (tDRs), Piwi-interacting RNAs (piRNAs) and long intergenic non-coding RNAs (lincRNAs). They down-regulate gene expression, playing a major role in biological pathways such as differentiation, proliferation, metastasis and apoptosis. The use of next-generation sequencing (NGS) in small RNA detection has shed light on the key role of small RNAs in healthy and disease conditions and accelerated the profiling and discovery of pathophysiological mechanisms. The study of this small RNA's signature in different bodily fluids is expanding to various fields. To gain insights into the distribution and signature of small RNA in bodily fluids, this Special Issue will focus on cutting-edge research on small RNA signatures in neurological disorders. Studies focusing on basics as well as those based on applications are welcome.

Guest Editor

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Message from the Editor-in-Chief

Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to *Biomedicines*, be it original research, review articles, or developing Special Issues of current key topics.

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