

Special Issue

Non-Coding RNAs in Human Neurodevelopmental Disorders and Brain Disorders

Message from the Guest Editors

Initially considered as splicing errors or transcripts originating from “junk DNA”, non-coding RNAs (ncRNAs) are now recognized as key actors of cellular physiology and pathology. The new millennium brought to light the existence of long non-coding RNAs (lncRNAs) and circular RNAs (circRNAs). Since this groundbreaking discovery, various articles have reported on lncRNAs and circRNAs. Several studies have shown that ncRNAs are dysregulated in pathological tissues and body fluids, paving the way to their application in diagnostic/prognostic biomarkers. This new field of research also extends to neurodevelopmental disorders and brain disorders, where ncRNAs have been identified as potential contributors to pathogenesis. This Special Issue will describe the current knowledge on ncRNAs (including miRNAs, lncRNAs, and circRNAs) in the onset and progression of neurodevelopmental disorders and brain disorders. We welcome research articles and reviews on altered expression in tissues or body fluids, polymorphisms, or splicing variants of ncRNAs that are associated with specific disorders.

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