

Special Issue

Advances in Neurodevelopmental-Related Disorders

Message from the Guest Editor

Nervous system development entails different tightly-regulated processes, from neurogenesis and cell migration, which are key to developing a proper cytoarchitecture, to subsequent neuronal differentiation, axon pathfinding, and synaptogenesis, which are needed to set up a functional synaptic network. All these events are tightly orchestrated by gradients of morphogenetic factors and soluble and non-soluble cues, which support the development of a functional nervous system through subsequent signal transduction pathways regulating different cellular processes such as gene expression or cytoskeleton dynamics. Hence, any subtle disturbance in any of these elements/processes, either derived from genetic or environment-driven defects, may lead to mild or severe neurological and psychiatric conditions. This Special Issue aims to collect contributions that highlight the diagnosis, pathogenesis, and/or therapeutics of neurodevelopmental disorders.

Guest Editor

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