



Advances in Neurodevelopmental-Related Disorders

Guest Editor:

Dr. Joana M. Marques

Center for Neuroscience and Cell
Biology, University of Coimbra,
3004-531 Coimbra, Portugal

Deadline for manuscript
submissions:

30 November 2024

Message from the Guest Editor

Dear Colleagues,

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.





an Open Access Journal by MDPI

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

Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, MEDLINE, Embase, CAPus / SciFinder, and other databases.

Journal Rank: JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Inorganic Chemistry)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI