

Special Issue

Advanced Molecular Diagnostic Approaches for Neurodevelopmental Disorders: Applications and Future Perspectives

Message from the Guest Editors

In recent years, molecular diagnostic technologies, such as array CGH and NGS, have become more important in the clinical field thanks to the availability of highly sensitive, which allow to detect molecular alterations with a higher resolution, accuracy, and specificity. Since it has been demonstrated a strong genetic basis for neurodevelopmental disorders (NDDs), research of this condition as improved. The application of these advanced methods for patients with NDDs could provide interesting insights into their pathophysiology, the relationship between specific molecular findings and various symptom domains, suggesting the presence of shared molecular pathways underlying specific clinical signs. This would allow to explain the comorbidity of these conditions and could open new avenues to identify possible new molecular targets. In this perspective, therefore, could be better to understand and define not only the mechanisms underlying the onset of the disease, but also to design new therapeutic strategies.

Guest Editors

Dr. Barbara Lombardo

Dipartimento di Medicina Molecolare e Biotecnologie Mediche, Università degli Studi di Napoli "Federico II", 80131 Napoli, Italy

Dr. Michele Pinelli

Department of Molecular Medicine and Medical Biotechnology, University Federico II, 80131 Naples, Italy

Deadline for manuscript submissions

25 December 2026



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/236359

*International Journal of
Molecular Sciences*
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
ijms@mdpi.com

[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)





International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



[mdpi.com/journal/
ijms](https://mdpi.com/journal/ijms)



About the Journal

Message from the Editor-in-Chief

The *International Journal of Molecular Sciences (IJMS)* 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, and molecular biophysics. *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.

Editor-in-Chief

Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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 (Organic Chemistry)