International Journal of
Molecular Sciences

IMPACT FACTOR 5.6 | Indexed in: PubMed | CITESCORE 7.8

an Open Access Journal by MDPI

New Advances in Congenital Disorders—From Molecular Basis

Guest Editors:

Dr. Joana Poejo
Congenital Disorders of Glycosylation & Allies—Professionals and Patient Associations International Network (CDG & Allies-PPAIN), Department of Life Sciences, School of Science and Technology, NOVA University Lisbon, 2819-516 Caparica, Portugal

Dr. Erwin Brosens
Department of Clinical Genetics, Erasmus MC Rotterdam, 3000 CA Rotterdam, The Netherlands

Deadline for manuscript submissions:
closed (15 May 2024)

Message from the Guest Editors

Congenital disorders, also known as birth defects, can contribute to long-term disability, having profound impacts on patients, families, healthcare systems, and society. According to the World Health Organization, 240,000 newborns die every year within 28 days after birth, representing a considerable public health burden. Congenital disorders may be caused by genetic, nutritional, environmental, or infectious factors, but their etiology remains to be fully understood. Inevitably, the high heterogeneity of and unclear pathomolecular mechanisms beyond these genetic disorders give rise to a complex and challenging patient journey until a final diagnosis is achieved. Noteworthily, in recent years the advances in multi-omics techniques and high-throughput methodologies contributed to increasing data generation, paving the way for the successful development of novel biomarkers, the discovery of new diagnosis methods, and novel targeted therapies.

The main goal of this Special Issue is to bring together new research by collecting original articles and reviews that provide novel insights related to genetics, diagnosis, biomarkers, mechanisms, and therapeutics related to birth defects.

International Journal of
Molecular Sciences

IMPACT FACTOR 5.6 | Indexed in: PubMed | CITESCORE 7.8

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, CAPlus / SciFinder, and other databases.
Journal Rank: JCR - Q1 (*Biochemistry & Molecular Biology*) / CiteScore - Q1 (*Inorganic Chemistry*)

Contact Us

International Journal of Molecular Sciences Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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

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