



## Molecular Pathophysiology, Diagnostics, and Therapeutics in Common Neonatal and Pediatric Diseases

Guest Editor:

**Prof. Dr. Ichiro Morioka**

Department of Pediatrics and  
Child Health, Nihon University  
School of Medicine, Tokyo 113-  
8602, Japan

Deadline for manuscript  
submissions:  
**closed (31 March 2021)**

### Message from the Guest Editor

In recent years, the development of molecular biological and genetic medical technologies has been remarkable, many pediatric intractable diseases and rare diseases have been diagnosed, and therapeutic methods have been developed. Meanwhile, when we look at common neonatal and pediatric diseases, conventional diagnostic and therapeutic methods are still often used to this day. It is also necessary to apply innovative thinking, science, and technology to common neonatal and pediatric diseases in order to elucidate their pathophysiology and develop novel diagnosis methods and treatments.

In this special issue, more focused area is the common diseases associated with preterm and term infants, such as neonatal jaundice and neonatal infection, and common growth disorders that are strongly influenced by the conditions during the neonatal period, such as short children born small-for gestational age and pediatric non-communicable diseases (metabolic syndrome, obesity, diabetes, hypertension, and hyperlipidemia).





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 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