

Special Issue

Down Syndrome: From Molecular Mechanisms to Therapeutic Strategies

Message from the Guest Editor

Down syndrome affects almost every organ system, and new information continues to come to light. Recent focuses on Down syndrome Regression Disorder (DSRD), increased rates of autism and Alzheimer's disease, cardiovascular health, and animal models continue to provide new insights into this common chromosome disorder. This Special Issue, Down syndrome: From Molecular Mechanisms to Therapeutic Strategies, will focus on understanding the mechanistic sequelae of Trisomy 21, the expanding phenotype, and advances in treatment/management of both physical and intellectual aspects of Down syndrome. Authors are invited to submit manuscripts regarding (but not limited to):

- Down Syndrome Regression Disorder;
- Alzheimer's in Down syndrome;
- Novel therapies/services;
- Use of technology to assist those with Down syndrome (for example, hypoglossal nerve stimulators);
- Mechanisms of associated malformations/ intellectual disability;
- Early predictors of autism in Down syndrome;
- Lessons from animal models;
- Prenatal studies of Down syndrome;
- Autoimmunity in Down syndrome.

Guest Editor

Dr. Amy Feldman Lewanda

Childrens National Health System, Washington, DC, USA

Deadline for manuscript submissions

30 March 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/259467

*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*, 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.

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

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 (Organic Chemistry)