

Special Issue

Molecular Research on Pathogenesis and Treatment of Pregnancy Complications

Message from the Guest Editor

Pregnancy is a complex condition in which maternal, fetal, and paternal factors all play a role in the outcome. A growing body of evidence suggests that the in utero period is extremely important for the future health of the offspring and the mother. With this Special Issue, we aim to advance the current understanding of pregnancy complications from a molecular perspective. In doing so, we can gain information about the underlying processes that can lead to poor outcomes. Such insights may lead to the development of preventive or therapeutic treatments targeted at addressing the molecular underpinnings of the processes leading to pregnancy complications. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Molecular mechanisms associated with etiology of any pregnancy complication;
- Placental and fetal contributions to pregnancy complications;
- Omics and genetic association studies;
- Molecular interactions at the maternal and fetal interface;
- Development of novel preventative or therapeutic treatments;
- Biomarker discovery.

Guest Editor

Dr. Melissa Wilson

Department of Population and Public Health Sciences, Keck School of Medicine of USC, Los Angeles, CA, USA

Deadline for manuscript submissions

20 May 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/226158

*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)