



## Molecular and Cellular Mechanisms of Preeclampsia

Guest Editor:

**Prof. Dr. Berthold Huppertz**

Division of Cell Biology, Histology  
and Embryology, Gottfried  
Schatz Research Center, Medical  
University of Graz, Graz, Austria

Deadline for manuscript  
submissions:

**closed (31 October 2019)**

### Message from the Guest Editor

Despite massive research efforts during recent decades, preeclampsia has remained the syndrome of hypotheses. Today, the etiology of the pathways resulting in the clinical symptoms hypertension and proteinuria still remains obscure. Over time, a number of very promising hypotheses have been developed, but so far not a single hypothesis has been accepted. The current hypotheses range from shallow trophoblast invasion, which is believed to result in placental hypoxia, to defects of the villous trophoblast resulting in the release of necrotic particles affecting the maternal endothelium, to a maternal failure to adapt to the stress test pregnancy. This Special Issue will summarize all hypotheses and will leave it to the readers to identify the most conclusive explanation.





an Open Access Journal by MDPI

## 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

## 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.

## 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)

## 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