

Special Issue

Reproductive Immunology: Cellular and Molecular Biology 2.0

Message from the Guest Editors

Reproductive immunology in the 21st century still deals with a problem that has been known for decades—the fetus as semi-allograft and its response to the maternal immune system. Therefore, there is a strong need to solve problems such as spontaneous and recurrent miscarriages and, in addition, repeated implantation failure.

Furthermore, socioeconomical changes in an aging society are an additional challenge especially for the reproductive medicine specialist. Although highly developed in vitro fertilization techniques are available, many couples still face the problem of childlessness.

A quite new player in the field is the microbiome of the reproductive tract. For decades, it was believed that the uterus is sterile but an up to date analysis revealed that we not only have a vaginal microbiome but also a cervical, uterine, male, and even a placental microbiome.

Therefore, we would like to invite our colleagues to submit articles that deal with cellular and molecular mechanisms in the field of reproductive immunology to this Special Issue.

Guest Editors

Prof. Dr. Udo Jeschke

Interdisciplinary Center of Experimental Tumor Research, University Hospital Augsburg, Stenglinstr. 2, 86156 Augsburg, Germany

Prof. Dr. Antonis Makrigiannakis

Department of Obstetrics and Gynecology, Medical School, University of Crete, 71003 Heraklion, Greece

Deadline for manuscript submissions

closed (30 April 2022)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/52860

*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)