

Special Issue

Molecular Mechanisms of an Aberrant Specific Immune Response: Role in Pathogenesis of Infectious, Autoimmune Diseases and Cancer

Message from the Guest Editors

The aim of a specific immune response is protection against infection and cancer while supporting repair and limiting tissue damage. A specific immune response is initiated upon exposure to a pathogen recognition pattern, damage-associated molecular pattern molecules, and tumor-associated antigens. We invite authors to submit original research papers and review articles related to the following potential list of topics:

- Aberrant molecular mechanisms of T and B lymphocyte development, activation, and function in infection, autoimmunity, and cancer;
- The role of bioactive molecules (cytokines, chemokines, interferons, growth factors) in aberrant immune responses;
- Role of antibody-dependent cytotoxicity in tissue damage and the failure of immune protection
- Genetic markers of aberrant immune responses;
- Role of antibodies and autoantibodies in aberrant immune responses;
- Role of PAMPS, DAMPS, and PRR in immune responses to infection, autoimmunity, and cancer.

Guest Editors

Dr. Svetlana Khaiboullina

Institute of Fundamental Medicine and Biology, Kazan Federal University, OpenLab, 420008 Kazan, Russia

Dr. Ekaterina Martynova

Institute of Fundamental Medicine and Biology, Kazan Federal University, 420008 Kazan, Tatarstan, Russia

Deadline for manuscript submissions

closed (20 February 2023)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/110052

*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)* 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.

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

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, CAPus / SciFinder, and other databases.

Journal Rank:

JCR - Q1 (Biochemistry and Molecular Biology) / CiteScore - Q1 (Organic Chemistry)