

Special Issue

Harnessing the Iatrogenic Autoimmune Forces by an Off-Label Low-Dose Combined Anti-CTLA-4 Plus Anti-PD-1 Antibody Blockade

Message from the Guest Editor

Recalling Shakespeare's *Taming of the shrew*

Originally, it was assumed that ICI blockade selectively targets tumor-specific T cells. Instead, an uncontrolled chronic graft-versus-host-disease-like (GVHD) reaction has been induced compromising tolerance in the majority of patients. Autoimmunity is emerging as the Achilles heel of immunotherapy. We argued, therefore, for a profound theoretical point against the consensus of experts. The task is not to desperately put the genie back in the bottle, but instead taming the autoimmune forces. In this way, the same goal could be achieved by an antibody as by the adoptive transfer of alloreactive donor lymphocytes, but without severe GVHD. An ultra-low-dose ipilimumab plus nivolumab blockade was safer than that of the established protocols without compromising efficacy in 131 unselected stage IV cancer patients. Ultra-low-dose protocols would be affordable to patients who cannot pay the cost of registered drugs.

Guest Editor

Prof. Dr. Tibor Bakacs

Department of Probability, Alfred Renyi Institute of Mathematics, The Eotvos Lorand Research Network (ELKH), 1053 Budapest, Hungary

Deadline for manuscript submissions

closed (20 January 2025)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 9.0
Indexed in PubMed



mdpi.com/si/162322

*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)