

Special Issue

Emerging Role of Immunogenic Cell Death in Cancer Therapy

Message from the Guest Editor

Immunogenic cell death (ICD) is a form of regulated cell death accompanied by the exposure, active secretion, or passive release of numerous DAMPs (damage-associated molecular patterns) that can function as either adjuvants or danger signals in the activation of both innate and adaptive immune responses. ICD can be induced by different stressors, including (1) intracellular pathogens; (2) certain chemotherapeutic drugs such as anthracyclines, DNA-damaging agents, and proteasomal inhibitors; (3) oncolytic viruses; (4) targeted anticancer agents such as the tyrosine kinase inhibitor crizotinib, the epidermal growth factor receptor-specific monoclonal antibody cetuximab, and poly-ADP-ribose polymerase (PARP) inhibitors; (5) physicochemical therapies and photodynamic therapy; and (6) radiotherapy. This Special issue aims at expanding the current knowledge on ICD-related processes and molecules, on ICD inducers, and on the underlying mechanisms of signaling mediated by DAMPs in order to improve cancer therapies in a personalized, biomarker-driven manner.

Guest Editor

Dr. Emily Capone

Dipartimento di Scienze Mediche, Orali e Biotecnologiche, Center for Advanced Studies and Technology (CAST), University "G. d'Annunzio" di Chieti-Pescara, 66100 Chieti, Italy

Deadline for manuscript submissions

closed (31 December 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/142035

*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)