

Special Issue

The Role of the Circadian Clock in Cancer and Inflammatory Diseases

Message from the Guest Editor

The circadian clock is a crucial regulator of daily physiological processes and also orchestrates the function of our immune system, both, at steady-state and under inflammatory conditions. This Special Issue covers the role of the circadian clock in the development of several types of cancer and chronic inflammatory diseases, the interaction of the immune system with the circadian clock under homeostatic and diseased conditions, the impact of the circadian clock on treatment outcome, recent advances in chronotherapeutic approaches and the therapeutic value of small-molecule modulators of the *circadian clock for cancer and chronic inflammation*. Keywords:

- cancer
- chronic inflammatory disease
- gene expression
- circadian clock in pathology
- circadian clock under steady-state
- chronotherapy
- small-molecule modulators of the circadian clock
- regulation of the circadian clock
- circadian clock-immune system interaction

Guest Editor

Dr. Eva Maria Sturm

Otto Loewi Research Center for Vascular Biology, Immunology and Inflammation, Division of Pharmacology, Medical University of Graz, 8010 Graz, Austria

Deadline for manuscript submissions

closed (15 March 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/104190

*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)