

Special Issue

Advances in the Study of Cell Cycle

Message from the Guest Editor

The growth and development of an organism are closely related to cell cycle regulation, e.g., the development of a fertilized egg. Tight regulations via cell cycle progression and checkpoint machinery ensure the maintenance of the genome and prevent aberrant cell cycle progression. The nature of molecular mechanisms that regulate the progression of the cell cycle has been identified; dysregulation of this process can lead to diseases, including cancer and degenerative disorders. However, understanding the mechanisms operating in the cell division cycle is still required. In this Special Issue, we focus on regulator proteins contributing to the control of the cell cycle.

We invite original research papers and reviews discussing updates on cell cycle machinery and cell cycle checkpoint mechanisms. Papers and reviews on cell cycle regulation in the developmental stages and meiotic cell cycle regulation, and tissue-specific cell cycle regulation are also welcomed. Finally, we encourage the submission of manuscripts focusing on defects in cell cycle checkpoints in cancer and diseases.

Guest Editor

Dr. Toshiyuki Habu

Department of Food Sciences and Nutrition, Mukogawa Women's University, Nishinomiya, Hyogo 663-8558, Japan

Deadline for manuscript submissions

closed (28 September 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/129173

*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)