



Molecular Control of Chromosome Segregation and Stability in Mitosis

Guest Editor:

Dr. George Zachos

Department of Biology, University
of Crete, 715 00 Heraklion, Greece

Deadline for manuscript
submissions:

closed (31 December 2022)

Message from the Guest Editor

A Special Issue on the “Molecular Control of Chromosome Segregation and Stability in Mitosis” is being prepared for *IJMS*. During mitosis, the cell must accurately divide its replicated chromosomes into two daughter cells by following a series of well-orchestrated events. Because errors in this process can lead to aneuploidy or chromosomal instability, which are associated with human disorders or cancer, understanding the mechanisms that safeguard chromosome segregation is a major focus of biomedical research. For this Special Issue, we welcome submissions (original papers and reviews) that address the mechanisms of mitotic cell division, including mitotic spindle formation, kinetochore assembly, kinetochore–microtubule interactions, spindle checkpoint signaling, cytokinesis, and the abscission checkpoint in higher eukaryotic cells.





an Open Access Journal by MDPI

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

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.

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)

Contact Us

*International Journal of Molecular
Sciences* Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/ijms
ijms@mdpi.com
X@IJMS_MDPI