



Molecular Mechanobiology in Space and on Earth 2.0

Guest Editor:

Prof. Dr. Oliver Ullrich

Institute of Anatomy, Faculty of
Medicine, University of Zurich,
Winterthurerstrasse 190, 8057
Zurich, Switzerland

Deadline for manuscript
submissions:

closed (30 June 2023)

Message from the Guest Editor

Mechanobiology is a rapidly growing field of research, particularly interdisciplinary because it combines biology and engineering. Studies concern, on a cellular level, how mechanical forces are sensed and transduced into intra- and intercellular signals, how they regulate cellular processes and homeostasis, and how they are involved in the induction and progression of diseases. Mechanobiology is becoming increasingly relevant to many fields, e.g., cancer biology, vascular biology, tissue formation, and regeneration, and therefore provides valid input to pharmacology as well as sports and rehabilitation medicine and geriatrics.

The Special Issue aims at collecting the latest scientific results as well as technological developments from all fields of mechanobiology on Earth or in Space. Under this general topic, we are welcoming manuscripts—either original work or review articles—focused on fundamental life and physical sciences, applied sciences, medical applications, new technologies, new visions that include commercial applications, as well as new or controversial paradigms.





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 (Inorganic 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