

Special Issue

Biomechanics of Cell Membrane

Message from the Guest Editors

Dear colleagues, This Special Issue will focus on measuring and characterizing the mechanical and adhesive properties of cells and membranes using different techniques such scanning force microscopy, laser pinzette, optical tweezers and many others. Topics of interest include but are not limited to studies of lipid membranes, erythrocytes, and endothelial cells.

Characterizing and measuring the properties and behavior of cells present a major challenge to researchers in this field. In this issue, the principles and techniques used in studies of cell biomechanics will be one of main themes. The publication of original articles will contribute to progress in the area of Nano/Biomechanics, and will further stimulate progress in understanding the link between the mechanical properties of cells and membranes and the physiological mechanisms involved.

Prof. Dr. Jose L. Toca-Herrera

Guest Editors

Prof. Dr. Stefano Loporatti

CNR NANOTEC—Istituto di Nanotecnologia, Via Monteroni, 73100 Lecce, Italy

Prof. Dr. José Luis Toca-Herrera

Institute of Biophysics, Department of Bionosciences, University of Natural Resources and Life Sciences, Muthgasse 11, 1190 Vienna, Austria

Deadline for manuscript submissions

closed (15 November 2019)



International Journal of Molecular Sciences

an Open Access Journal
by MDPI

Impact Factor 4.9
CiteScore 10.0
Indexed in PubMed



mdpi.com/si/18927

*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 10.0
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)* 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, and molecular biophysics. *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. José L. Quiles

Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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)