

## Special Issue

# Cellular Mechanobiology: Mechanotransduction-Related Cell Signalling and Gene Expression

### Message from the Guest Editors

The relevance of functional mechanical loading for the development, shape, and homeostasis of the body, organs, and tissue is well established by a huge body of evidence. The absence of mechanical force and/or excessive overload result in a number of pathological conditions, diseases, and dysfunctions. Microscopically, mechanical cues thus also affect individual tissue cell's cellular proliferation, differentiation, motility, regeneration, adaptation, and protein synthesis. This Special Issue aims at expanding the current knowledge on cellular mechanotransduction and its impact on the cell response based on in vitro force application models simulating/mimicking physiological, therapeutic, and/or pathological conditions. Experimental studies and review articles are welcome for consideration. Since IJMS is a journal of molecular science, pure clinical studies will not be suitable for inclusion, but clinical submissions with biomolecular experiments are welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 June 2023)



## International Journal of Molecular Sciences

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### 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.

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### Editor-in-Chief

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