

Special Issue

Nuclear Sensing of Mechanical Cues

Message from the Guest Editors

Beyond its established role in cell biology, the nucleus is increasingly considered as a physical object that integrates mechanical cues. To adapt the cellular response, the nucleus senses mechanical stress and reacts through changes in its shape and mechanical properties, as well as gene expression. This has been shown in different model systems. Here we will focus on the pathways and actors involved in the process in the eukaryotic kingdom from yeast, plants to mammals, to bring to the scientific community the latest advances in the field of nuclear mechanotransduction concerning chromatin remodeling and gene expression. This Special Issue, "Nuclear Sensing of Mechanical Cues", will cover a selection of recent research topics and current review articles in the field of transcriptomics, genetics, and chromatin. Experimental and bioinformatics papers, up-to-date review articles, and commentaries are also welcome.

Guest Editors

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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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