

## Special Issue

# Nuclear Envelope Dynamics in Health and Disease

### Message from the Guest Editors

The nuclear envelope is a highly dynamic organelle that is disorganized and re-organized during mitosis.

Further, the nuclear envelope is also characterized by a huge morphological diversity and nuclear abnormalities including blebs, lobed nuclei, micronuclei, and nuclear invaginations. Considering the latter described nuclear envelope abnormalities, it has been hypothesized that nuclear envelope dysfunction is a molecular mechanism associated with several pathologies. The identification of molecular mechanisms underlying nuclear envelope dysfunction, including upstream and downstream events, will be a determining factor for our understanding of several pathologies, including nuclear-envelope-associated diseases, aging, and cancer. For this Special Issue of the International Journal of Molecular Sciences, we invite submissions of both original research articles and review articles focused on any aspect of the subject. Articles providing mechanistic and functional insights about nuclear envelope dysfunction associated with several pathologies at a cellular or molecular level, both in vitro and in vivo, are particularly welcome.

### Guest Editors

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### Deadline for manuscript submissions

closed (20 December 2022)



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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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