

## Special Issue

# Molecular Biology of Stem Cells

### Message from the Guest Editors

Stem cells are at the center of interest in modern biology because of their importance in developmental and regenerative processes and potential applications in regenerative medicine. The full understanding of the molecular mechanisms involved in the stemness and directed cell differentiation towards a particular cell fate have key importance for the understanding of the plasticity of embryo development, functioning of young and adult organisms, numerous pathologies including cancer, aging, regeneration processes, and their biomedical applications, which will revolutionize the field of medicine. This Special Issue entitled “Molecular Biology of Stem Cells” is focused on processes and molecular mechanisms governing stemness, different states of stem cell potency, and stem cells’ directed differentiation into particular cell types. We encourage submitting original articles, review articles, perspectives/opinions, and methodology articles about all types of stem and progenitor cells, their propagation, differentiation, and potential use in medicine.

### Guest Editors

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### Deadline for manuscript submissions

closed (30 September 2024)



## International Journal of Molecular Sciences

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## About the Journal

### 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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