

Special Issue

Stem Cells Research: Advancing Science and Medicine

Message from the Guest Editor

Stem cell research is at the forefront of regenerative medicine, offering groundbreaking possibilities for treating degenerative diseases, injuries, and age-related conditions. Recent advancements in induced pluripotent stem cells (iPSCs), organoid technology, and gene editing (e.g., CRISPR-Cas9) have expanded the potential of personalized medicine, disease modeling, drug testing, and potential cell-based therapies. This Special Issue welcomes original research, reviews on stem cell biology, stem-cells based in vitro models (e.g., organoids) for disease modelling and drug testing, reprogramming techniques, therapeutic applications, and translational challenges. Submissions exploring biomaterials, bioengineering approaches, omics technologies, and computational modeling in stem cell research are encouraged. By fostering interdisciplinary collaboration, this collection aims to highlight innovative research, thus shaping the future of stem cell-based therapies and regenerative medicine.

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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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