

Special Issue

Advancing Regenerative Medicine: Basic Research and Translation in Clinics

Message from the Guest Editor

Several key segments are associated with regenerative medicine: blood-based therapies (platelet-rich plasma), stem cell therapy, biomaterials, and tissue engineering. AI and 3D bioprinting are revolutionizing regenerative medicine, while next-generation sequencing and other multi-OMICS technologies are helping us understand stem cell biology better, which will eventually play an important role in developing new directions in stem cell research and treatment. However, ethical considerations, particularly in stem cell research and therapy, remain of great importance.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: 1. Emerging Issues in Stem Cell Research and Regenerative Medicine; 2. Best Practices in Regenerative Medicine; 3. Tissue Engineering and Biomaterials in Regenerative Medicine; 4. Exosomal Therapy—A New Frontier in Regenerative Medicine; 5. Orthobiologics and Regenerative Medicine; 6. Clinical Trials in 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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