

Special Issue

Adipose-Derived Stem Cells: 3D Culture Systems and Biological Insights

Message from the Guest Editor

In recent years, stem cells have gained significant attention in both cancer biology—where tumor growth is influenced by stem-cell-like behavior—and regenerative medicine, where they are key players in tissue repair. Traditional 2D cultures, though widely used, fail to fully capture stem cell potential, while 3D models more accurately reflect in vivo conditions. Understanding the molecular mechanisms behind self-renewal and differentiation is essential for advancing their use in research and therapy. Looking ahead, innovative technologies such as bioprinters and bioreactors may enable personalized tissue and organ replacement for future clinical applications. This Special Issue focuses on the latest discoveries and advances in stem cell biology, offering an up-to-date overview of the field for researchers. We invite contributions from investigators working in basic, clinical, and translational research, as well as related disciplines, including original articles, reviews, communications, and concept papers. *I look forward to receiving your contributions.*

Guest Editor

Dr. Anna Barbara Di Stefano

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Message from the Editorial Board

Biomolecules is a multidisciplinary open-access journal that reports on all aspects of research related to biogenic substances, from small molecules to complex polymers. We invite manuscripts of high scientific quality that pertain to the diverse aspects relevant to organic molecules, irrespective of the biological question or methodology. We aim for a competent, fair peer review and rapid publication. Please look at some of the exciting work that has been published in *Biomolecules* so far. We would be delighted to welcome you as one of our authors.

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