

## 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

BIOPLAST-Laboratory of Biology and Regenerative Medicine-PLASTIC Surgery, Dipartimento di Discipline Chirurgiche, Oncologiche e Stomatologiche, Università degli Studi di Palermo, via del Vespro 129, 90127 Palermo, Italy

### Deadline for manuscript submissions

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*Biomolecules*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[biomolecules@mdpi.com](mailto:biomolecules@mdpi.com)

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*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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Department of Cellular and Molecular Medicine, Faculty of Health and Medical Sciences, University of Copenhagen, Blegdamsvej 3C, DK-2200 Copenhagen, Denmark

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Department of Computer Science, Virginia Commonwealth University, Richmond, VA 23284, USA

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