

Special Issue

Bioactive Small Molecules in Tissue Repair and Regeneration

Message from the Guest Editor

Bioactive small molecules are widely recognized as powerful modulators of cellular behavior by successfully influencing key biological processes such as progenitor cell differentiation, extracellular matrix remodeling, or tissue integration. Consequentially, together with the additional benefits of target-specific biodistribution and strong potential for non-invasive delivery utilizing small molecules make an attractive pharmaceutical target for future regenerative medicine. This Special Issue aims to explore and highlight advances in the discovery, design, and application of small molecules that promote or regulate repair and regeneration across various organ systems, including, but not limited to, skin, bone, muscle, neural, sensory, or cardiovascular tissues. Mechanistic insights or high-throughput screening results of stem cell behavior and modulation, along with integration of small molecules in biomaterials or special delivery systems, together with translational and preclinical studies covering regenerative therapies or aging, are equally welcomed and encouraged.

Guest Editor

Dr. Ildiko Bock-Marquette

Department of Biochemistry and Medical Chemistry; Szentagothai Research Centre, University of Pecs, Pecs, Hungary

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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