

## 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

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