Special Issue

Marine Organisms for Bone Regeneration

Message from the Guest Editors

Bioprospecting and technological advances allowing high-through-put screening, has seen a surge of interest in the identification of anti-cancer, anti-microbial and anti-inflammatory compounds from the marine environment. The search for compounds with more niche applications, such as bone repair, has been slower, yet marine organisms, themselves, in the form of coral, have been used as a bone substitute material since the 1970s and the marine environment is a rich source of mineralizing porous organisms. In this Special Issue, we would like to explore the potential of products derived from marine organisms to promote bone repair, bone regeneration and bone development. The potential approaches are wide and varied; extraction of bioactive compounds with osteogenic activity, marine organisms as a source of osteogenic ions, marine organisms as bioactive adjuncts to traditional bone scaffold materials, porous marine organisms as biomimetic scaffolds or as templates for novel materials.

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About the Journal

Message from the Editor-in-Chief

During the past few decades there has been an ever increasing number of novel compounds discovered in the marine environment. This is exemplified by the robust preclinical and clinical pipeline that currently exists for marine natural products. *Marine Drugs* is inviting contributions on new advances in marine biotechnology, pharmacology, chemical ecology, synthetic biology, and genomics approaches related to the discovery of therapeutically relevant marine natural products. Our goal is to share your contribution in a timely fashion and in a manner that will be valued by the scientific community.

Editor-in-Chief

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