

Special Issue

Novel Insights of Bone Repair: Strategies for Improvement, Microscopic, Molecular and Ultrastructural Aspects

Message from the Guest Editors

The present Special Issue aims to explore the state of art in bone repair proceedings and the strategies used to improve the quality, maintaining the anatomy and physiology. The focus on new approaches that can lead to the improvement of cell responses and tissue events will encourage discussion on this topic. Different analyses of repair sites will be important in order to characterize bone in all of these special situations. Strategies focused on multidisciplinary approaches will play an important role in helping to achieve this goal.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following: articles focused on basic research, in vivo and ex in vivo models, as well as in vitro studies, biomaterials, drug delivery and other strategies that contribute to the improvement of repair processes. Articles with different analyses applied to characterize the repair process will also be acceptable.

Guest Editors

Dr. Roberta Okamoto

Dr. Kathryn Grandfield

Dr. Karina Carneiro

Deadline for manuscript submissions

closed (31 July 2025)



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Message from the Editorial Board

A major strength of biological science is the diversity of approaches that biological scientists apply to their research problems. *Biology* reflects this diversity and brings together studies employing the varied experimental and theoretical approaches that are fueling biological discovery. *Biology*, the journal, is a fully peer-reviewed publication with a rapid and economical route to open access publication and is listed on PubMed. All articles are peer-reviewed and the editorial focus is on determining that the work is scientifically sound rather than trying to predict its future impact.

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