



Optimization of Biomaterials for Reconstructive and Regenerative Medicine 2.0

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Message from the Guest Editors

The reconstruction and regeneration of body tissues is of great and ongoing clinical interest and relevance. Currently, many biomaterials have been introduced into the market, to be used for reconstructive or regenerative purposes.

Continuing research has made materials more biocompatible, resorbable, and less prone to foreign body reactions. The current aim of research on biomaterials is to promote and support a regeneration of the target tissue via complete biodegradation of the used biomaterials. In vitro, in vivo, and clinical studies are absolutely mandatory to evaluate cellular and molecular interactions with biomaterials as well as their behavior in living organisms.

In this Special Issue, we would like to outline current developments and trends regarding the optimization of biomaterials used for reconstructive and regenerative purposes. Thus, we welcome contributions (reviews and/or original papers) on new biomaterials, optimizations, surface modifications, innovative manufacturing or application methods and the behavior of these materials in vitro, in vivo or clinically.





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Message from the Editor-in-Chief

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