

## Special Issue

# Optimization of Biomaterials for Reconstructive and Regenerative Medicine 2.0

### 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.

### Guest Editors

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### Deadline for manuscript submissions

closed (31 March 2022)



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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.

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