



Biomaterial Inspired Materials for Regenerative Medicine

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Deadline for manuscript submissions:

closed (18 October 2022)

Message from the Guest Editors

Dear Colleagues,

In the field of regenerative medicine, the search for the ideal tissue replacement materials is still ongoing. Current results show that bioinspired materials which mimic natural tissue are among the best candidates for medical applications. Such materials induce a less aversive immune response, especially in comparison with conventional materials. Materials for regenerative medicine should be biocompatible, have similar properties to the tissue they replace, and at the same time be biodegradable, bioinductive, and/or bioconductive. Biomaterial inspired application of diverse minerals is already widespread, but it is hard for a single material to satisfy all the needed requirements. To fulfill the mechanical demands of some materials for regenerative medicine, diverse metallic or non-metallic inorganic materials are being researched. They are commonly combined with diverse organic compounds to which the tissue in need of repair should adapt more easily.

We invite you to submit your recent work on the preparation, properties, and applications of biomaterial-inspired materials for regenerative medicine for publication in our Special Issue.





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Message from the Editor-in-Chief

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