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Multifunctional Coatings for Bone Regenerative Medicine

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Message from the Guest Editor

Dear Colleagues,

It remains a significant challenge to achieve an optimal biofunctionalized implant, mainly because they offer only a single functionality. On the other hand, because of recent progress in additive manufacturing technologies which allows researchers to design and fabricate rationally designed and topologically complex structures, it is now possible to introduce biomaterials with unprecedented combinations of mechanical, physical, and biological properties. Therefore, it is essential to focus on further developments in a new generation of biomaterials that offer multiple functionalities, including enhanced bone regeneration, infection prevention, and also render bespoke release profiles of the active agents to address unmet clinical needs.

This Special Issue aims to highlight the recent strategies in multifunctional coatings for bone regenerative medicine application. It is our pleasure to invite you to contribute your research article, communication or review for this Special Issue.

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