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Advanced Biomaterials for Cells Adhesion, Proliferation and Differentiation

Collection Editor:

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Message from the Collection Editor

Dear Colleagues,

Cells adhesion, proliferation and differentiation are involved in various natural phenomena, such as embryogenesis, histogenesis, maintenance of tissue structure, immune response, metastasis, wound healing, as well as tissue integration of biomaterial. Lack of native tissue integration is one of frequent problems associated with the biomaterials surfaces of dental implants. It has prompted a significant body of research regarding the modification of these surfaces. Therefore, there is a constant need to find advanced biomaterials which are very closely related to cell behaviors and particularly to cell adhesion, proliferation and differentiation, that aim to restore a patient's mobility and alleviate pains.

This Special Issue will focus on the recent progress of biopolymers, biometals, bioceramics, biomimetic materials, nanobiomaterials, scaffolds, porous materials, composite materials, smart biomaterials for cell responses in terms of adhesion, spreading, viability, proliferation and differentiation.

Prof. Dr. Guoping Chen

Guest Editor



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Message from the Editor-in-Chief

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