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Nanomaterials for Cell Signaling and Proliferation/Differentiation

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Deadline for manuscript submissions:

closed (31 March 2020)

Message from the Guest Editors

Dear Colleagues,

With the increasing knowledge on the molecules responsible for not only cell proliferation differentiation, but also for cell signaling in general, it has become plausible to identify potential therapeutic targets. Cytokines and hormones have an important role in the treatment of specific pathologies, while cell adhesion motifs (CAM) are being used in several materials in order to promote cell adhesion, proliferation, or differentiation. While the exploitation of both natural and recombinant versions of these molecules is appealing, problems regarding their stability and toxicity need to be overcome.

Nanomaterials of different sources are a viable alternative to effectively deliver these compounds, maintaining these active molecules, protecting them from degradation until their target is reached. Several biomolecules and elements can be used to produce nanocarriers such as polysaccharides, polypeptides, lipids, or metals.

Prof. Dr. Andreia Gomes Dr. André da Costa Guest Editors











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Editor-in-Chief

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Message from the Editor-in-Chief

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