Special Issue

Functional Materials for Cell Modulation

Message from the Guest Editors

There are increasing numbers of (bio)materials suitable for scaffold production. However, many of these materials lack functionality in terms of cell modulation. In recent years, materials have been functionalized with molecules via several methods to improve such activity over cells. Cell adhesion motifs (CAMs) are being used in several materials to promote cell adhesion, proliferation or even differentiation. The aim of this Special Issue is to attract leading researchers working in the areas of functional materials, using both synthetic or natural-based polymers, functionalized with active molecules with a cell modulation activity, with a biomedical application in mind. The functionalization could be performed by means of several different procedures, such as covalent binding, molecular biology or adsorption. Researchers are welcome to submit contributions reporting on the creation of such materials or addressing a specific therapeutic problem.

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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