Special Issue

Biomedical Composite Materials for Stem Cell Culture

Message from the Guest Editors

Biomedical composite materials have recently attracted much attention in the field of tissue engineering. Therefore, there are many novel and new studies focusing on the development of biomedical composite materials for drugs and gene delivery, bioprinting, cell therapy and stem cell culture.

Stem cells are an extremely important cell type in the field of tissue engineering, and stem cell culture can be divided into two directions: one is to maintain the undifferentiated state of stem cells and the other is the guidance and regulation of stem cell differentiation. Studying the effects of biomedical composite materials for stem cells will improve the development of tissue engineering.

The purpose of this Special Issue is to publish cutting-edge applications related to advanced biomedical composite materials for stem cell culture. All kinds of composite materials, either synthetic/natural polymers or newly developed ones, and stem cell types, such as induced pluripotent stem cells(iPSC), mesenchymal stem cells (MSC) and adult stem cells, are all welcome. It is a great pleasure to invite you to submit a manuscript for this Special Issue of Polymers.

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker
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