



Recent Advances in Biomaterials for Mechanobiology and Tissue Engineering

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

There is growing evidence that the mechanical properties of bioinspired materials that mimic natural extracellular matrices are robust controllers of cell-fate decisions. The recapitulation of mechanical properties such as stress relaxation, overall stiffness and, more recently, the extent of the linear stress–strain region is indeed an attractive topic. Huge efforts are currently being made to assemble 2D and 3D biomaterials to study cell response, which could have implications for areas such as mechanobiology and, more broadly, tissue engineering. The search for innovative polymers, right down to their assembly, is being assiduously pursued in order to gain fundamental knowledge in this field.

The aim of this Special Issue is to bring together researchers working on the development of biomaterials and related applications in mechanobiology and tissue engineering.

Dr. Pasquale Sacco

Guest Editor





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