Special Issue

Stem Cell Bioprocessing and Tissue Reconstruction

Message from the Guest Editors

Bioprocessing technologies for stem cell therapy are one of the most promising approaches for the further advancement of tissue engineering and regenerative medicine. Technologies developed for stem cell therapy have also stimulated the development of new fields such as cultured meat.

The development of successful stem cell bioprocessing and tissue reconstruction faces two key challenges that must be addressed, including: (i) the development of dynamic, heterogeneous structures for cell and tissue culture-engineering platforms; and (ii) the advancement of technologies for low-cost, reproducible and high-quality engineered manufacturing processes.

This Special Issue, Stem Cell Bioprocessing and Tissue Reconstruction, addresses the potential of stem cell and stem cell-based products for clinical and industrial applications by bringing together contributions from international experts on stem cell and tissue engineering, bioreactor design and scale-up, process automation and the manufacturing of stem cell-based therapies.

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Editor-in-Chief

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