



Recent Advances in Biotechnology

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Message from the Guest Editors

The 21st century is witnessing a rapid progress in biotechnology that will likely revolutionize medical interventions not only in the area of transplantology but also in that of drug delivery, with the identification of the most suitable cell subpopulations as primary therapeutic targets in oncology and in tissue regeneration. Furthermore, our understanding of the biology of cancer allows for pinpointing cell populations (cancer stem cells, cancer initiating cells, cancer propagating cells) that are responsible for therapeutic failure. On the other hand, in the material science area, new composite materials (biodegradable and non-biodegradable) are being developed that may replace specific components of the connective tissue in different specialized organs. The Special Issue aims to present diverse advances in biotechnology (i) at the level of cell and tissue engineering, (ii) at the level of advanced cancer therapy development, and (iii) at the level of biomaterial and general biotechnology science.





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Message from the Editor-in-Chief

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