Special Issue

Soft Electronics Enabled Tissue Engineering and Characterization

Message from the Guest Editor

Emerging soft electronics are paving the way for advancements in tissue engineering and characterization. Their tissue-mimicking properties present unparalleled opportunities for forming flexible tissue interfaces, which is crucial for various medical applications. However, transitioning these innovations into clinical settings—where high tissue penetration, efficacy, and accuracy are paramount—poses significant challenges. Thus, there is an urgent need for advanced technologies to effectively engineer and characterize tissues. This Special Issue aims to highlight the latest research in tissue engineering and characterization, with a particular focus on soft electronics. We are seeking studies that not only push the boundaries of what is currently possible but also address, among others, the following challenges: the regulation of biomaterials in tissue repair, drug delivery, wearable sensors for deep tissue sensing, and tissue characterization techniques to facilitate clinical diagnostics.

Guest Editor

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Biomedicines (ISSN 2227-9059) is an open access journal devoted to all aspects of research on human health and disease, the discovery and characterization of new therapeutic targets, therapeutic strategies, and research of naturally driven biomedicines, pharmaceuticals, and biopharmaceutical products. Topics include pathogenesis mechanisms of diseases, translational medical research, biomaterial in biomedical research, natural bioactive molecules, biologics, vaccines, gene therapies, cell-based therapies, targeted specific antibodies, recombinant therapeutic proteins, nanobiotechnology driven products, targeted therapy, bioimaging, biosensors, biomarkers, and biosimilars. The journal is open for publication of studies conducted at the basic science and preclinical research levels. We invite you to consider submitting your work to Biomedicines, be it original research, review articles, or developing Special Issues of current key topics.

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