Special Issue

Advances in Wound Healing Systems

Message from the Guest Editor

Bioengineering therapeutics for wound healing research and product development range from gene therapy to soft robotics. A simplified tri-fold classification of acellular, cellular and hybrid cover the breadth of solutions to ulcers, burns, soft tissue re-construction, wound closures, various forms of dermatitis, and rare genetic skin disorders. In parallel, cutting-edge bio-fabrication and storage methods proposed at bench scale are 3D/4D printing of keratinocytes, photolithography/microfluidic synthesis for self-healing hydrogels, electro-spinning of nanofibers, and cryo/lyo-preservation. With the myriad of hybrid solutions heading towards the regulatory pipeline, robust scalability and patient heterogeneity need to be addressed. This Special Issue, "Advances in Wound Healing Systems", emphasizes state-of-the-art advances, as well as gaps between academia and large scale integration of wound healing therapeutics. Therefore, any contributions related to the above-mentioned topics and applications are welcome.

Guest Editor

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Editor-in-Chief

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