Special Issue

Tissue Engineering and Regenerative Medicine for Wound Healing

Message from the Guest Editor

Cutaneous wounds in patients with burns and trauma, various diseases or in elderly patients remain a common health burden worldwide.

Wound healing is critical for the repair of skin structures and functions, prevention of wound infection and subsequent complications; however, it is often a complex and challenging process in the aforementioned patients.

Research advances in regenerative medicines and related technologies, including biomaterials, stem cells and skin tissue engineering, provide opportunities for research development. Until now, many medical devices such as dermal regenerative bio-scaffolds, cellular therapeutics and tissue-engineered living skin substitutes with a histological similarity to natural skin have already been developed and applied in clinical settings to improve wound healing. However, more research and development are needed to further optimise the existing strategies and develop new technologies for better wound care.

This Special Issue aims to highlight research advances in the fields of skin regenerative medicine, the related technologies and applications for wound healing and skin regeneration.

Guest Editor

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Editor-in-Chief

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