



Skin Wound Repair: Tissue Engineering, Guided Regeneration, and Wound Scarring Prevention

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Message from the Guest Editors

Dear Colleagues,

Skin is a protective barrier against physical trauma or external pathogens. Even if lots of clinical and experimental research has covered the process of wound healing, disorders of normal skin wound repair continues to be an important social and economic burden.

Skin wound repair is an extremely complex, dynamic and intricate biological process, involving a multitude of cells in an attempt to rapidly restore skin integrity for normal functioning maintenance. This high-specialized healing process must be rigorously balanced in order to ensure an adequate tissue repair. Tissue engineering help us develop and find bioartificial substitutes for wound healing. Various ways to guide skin regeneration are tested, to promote normotrophic tissue healing and to prevent scarring formation.

Even though the skin wound repair process is a well-studied field, there are many issues to be revealed to solve the puzzle. Therefore, the goal of this special issue is to promote research in this field and to permit the exchange of experiences among specialists.

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