

Special Issue

Molecular Mechanisms Related to Burns, Burn Wound Healing and Scarring

Message from the Guest Editors

Burn injury is a complex traumatic event with various local, regional and systemic effects. The pathophysiology of the burn patient shows the full spectrum of the complexity of inflammatory response reactions. Improvements in acute burn care have enabled patients to survive massive burns that would have once been fatal. Now, up to 70% of patients develop hypertrophic scars after burns. The need for novel treatments is paramount, and future efforts to improve outcomes and quality of life should include optimization of wound healing to attenuate or prevent hypertrophic scarring, well-designed trials to confirm treatment efficacy, and further elucidation of molecular mechanisms to allow development of new preventive and therapeutic strategies. In this issue of the journal, we are looking for articles which deliver a profound insight into the current science of burn wound pathophysiology, burn wound healing, and scarring.

Guest Editors

Prof. Dr. Marc Jeschke

Sunnybrook Hlth Sci Ctr, Ross Tilley Burn Ctr, 2075 Bayview Ave,
University of Toronto, Toronto, ON M4N 3M5, Canada

Prof. Dr. Lars-Peter Kamolz

1. Division of Plastic, Aesthetic and Reconstructive Surgery, Department
of Surgery, Medical University of Graz, 8036 Graz, Austria

2. COREMED–Cooperative Center for Regenerative Medicine,
JOANNEUM RESEARCH Forschungsgesellschaft mbH, 8010 Graz,
Austria

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4052 Basel, Switzerland
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Prof. Dr. José L. Quiles
Department of Physiology, Institute of Nutrition and Food Technology
"Jose Mataix", Biomedical Research Center, University of Granada,
Avda. Conocimiento s/n, 18100 Armilla, Granada, Spain

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